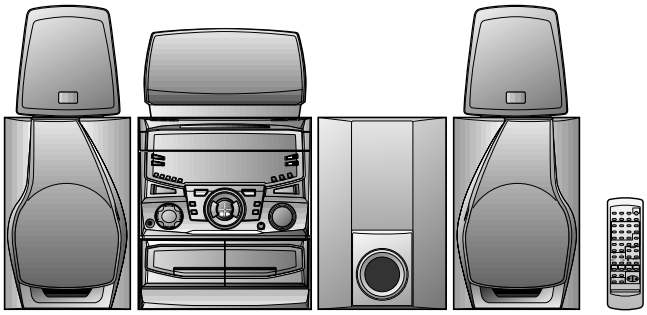
SHARP SERVICE MANUAL

No. S0961CDPC1881



CD-PC1881V

CD-PC1881V Video CD Mini System consisting of CD-PC1881V (main unit), CP-C881 (front speakers), CP-SW881 (sub woofer), GBOXS0026AWM1 (center speaker) and GBOXS0027AWM1 (surround speakers).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

SAFETY PRECAUTION FOR SERVICE MANUAL

Precaution to be taken when replacing and servicing the Laser Pickup.

The AEL (Accessible Emission Level) of Laser Power Output for this model is specified to be lower than Class I Requirements. However, the following precautions must be observed during servicing to protect your eyes against exposure to the Laser beam.

(1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
(2) The Laser Power Output of the Pickup inside the unit and replacement service parts have already been adjusted prior to shipping.
(3) No adjustment to the Laser Power should be attempted when replacing or servicing the Pickup.
(4) Under no circumstances look directly into the Pickup Lens at any time.
(5) CAUTION - Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

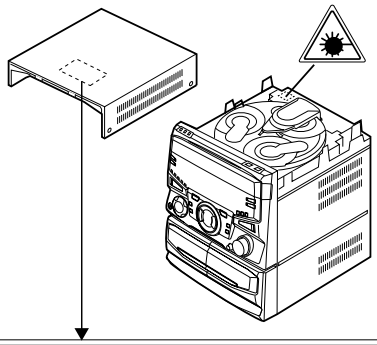
CAUTION

CLASS 1 LASER PRODUCT
APPAREIL À LASER DE CLASSE 1
PRODUCTO LASER DE CLASE 1

- This Video CD Mini System is classified as a CLASS 1 LASER product.
- The CLASS 1 LASER PRODUCT label is located on the rear cover.
- Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

  As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

Laser Diode Properties
Material: GaAlAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW



CAUTION-INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

VARNING-OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT.

ADVERSEL-USYNLIG LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN-HELLER IKKE MED OPTISKE INSTRUMENTER.

VARO! AVATTAESSA OLET ALTTIINA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN ÄLÄKÄ KATSO SITÄ OPTISEN LAITTEEN LÄPI.

VARNING-OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN OCH BETRAKTA EJ STRÅLEN GENOM OPTISKT INSTRUMENT.

ADVERSEL-USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN ELLER SE DIREKTE MED OPTISKE INSTRUMENTER.

VOLTAGE SELECTION

The voltage selector is located on the AC voltage selector box. If adjustment is necessary, use a screwdriver in order to turn the selector in either direction unitil the correct voltage figure is displayed in the window next the adjustment screw.

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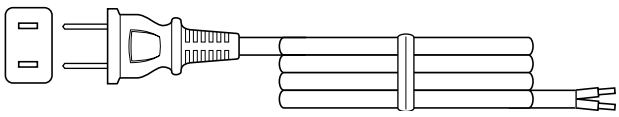

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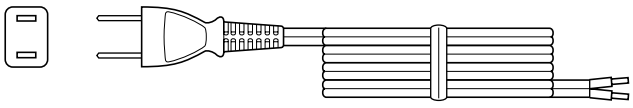

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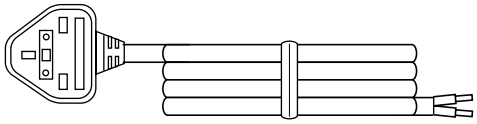

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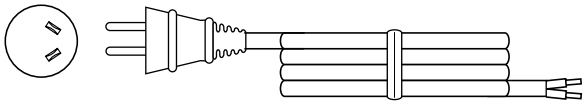

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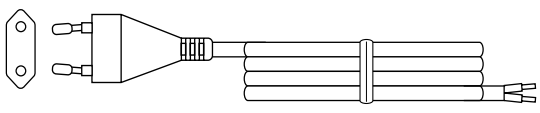

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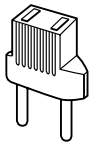

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Figure 2 AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

CD-PC1881V

● General

Power source: AC 110/127/220/230-240 V, 50/60 Hz
Power consumption: 140 W
Dimensions: Width; 270 mm (10-5/8")
Height; 300 mm (11-13/16")
Depth; 362 mm (14-1/4")
Weight: 8.1 kg (17.7 lbs.)

● Amplifier section

Output power: **Front speakers;**
MPO; 176 W(88 W + 88 W) (10 % T.H.D.)
RMS; 80 W (40 W + 40 W) (10 % T.H.D.)
RMS; 72 W (36 W + 36 W) (0.9 % T.H.D.)
Center speaker;
MPO; 32 W (10 % T.H.D.)
RMS; 20 W (10 % T.H.D)
RMS; 14 W (0.9 % T.H.D)
Surround speakers;
MPO; 32 W (16 W + 16 W) (10 % T.H.D.)
RMS; 20 W (10 W + 10 W) (10 % T.H.D.)
RMS; 14 W (7 W + 7 W) (0.9 % T.H.D.)
Sub woofer;
MPO; 72 W (10 % T.H.D.)
RMS; 40 W (10 % T.H.D)
RMS; 32 W (0.9 % T.H.D)
Output terminals: Front speakers; 6 ohms
Centre speaker; 4 ohms
Surround speakers; 8 ohms
Sub woofer; 6 ohms
Headphones; 16-50 ohms (recommended; 32 ohms)
Video out; 1 Vp-p (75 ohms)
Input terminals: Video/Auxiliary (audio signal) x 2; 500 mV/47 kohms

● Compact disc player section

Type: 3-disc multi-play compact disc player
Signal readout: Non-contact, 3-beam semi-conductor laser pickup
D/A converter: 1-bit D/A converter Frequency
Frequency response: 20 - 20,000 Hz
Dynamic range: 90 dB (1 kHz)

● Video CD section

Video output format: PAL/PAL60/NTSC

● Tuner section

Frequency range: FM; 88-108 MHz
AM; 531-1,602 kHz

● Cassette deck section

Frequency response: 50-14,000 Hz (Normal tape)
Signal/noise ratio: 55 dB (TAPE 1, playback)
50 dB (TAPE 2, recording/playback)
Wow and flutter: 0.15 % (WRMS)

CP-C881

● Front speaker section

Type: 3-way type [13 cm (5-1/4") woofer, 5 cm (2") tweeter and super tweeter]
Maximum input power: 80 W
Rated input power: 40 W
Impedance: 6 ohms
Dimensions: Width; 200 mm (7-7/8")
Height; 300 mm (11-13/16")
Depth; 254 mm (10")
Weight: 2.9 kg (6.3 lbs.)/each

GBOXS0026AWM1

● Center speaker section

Type: 10 cm (4") full-range speaker
Maximum input power: 40 W
Rated input power: 20 W
Impedance: 4 ohms
Dimensions: Width; 260 mm (10-1/4")
Height; 140 mm (5-1/2")
Depth; 155 mm (6-1/8")
Weight: 0.9 kg (2.0 lbs.)

GBOXS0027AWM1

● Surround speaker section

Type: 10 cm (4") full-range speaker
Maximum input power: 20 W
Rated input power: 10 W
Impedance: 8 ohms
Dimensions: Width; 170 mm (6-3/4")
Height; 88 mm (3-1/2")
Depth; 170 mm (6-3/4")
Weight: 0.5 kg (1.0 lbs.)/each

CP-SW881

● Sub woofer section

Type: 13 cm (5-1/4") full-range speaker
Maximum input power: 80 W
Rated input power: 40 W
Impedance: 6 ohms
Dimensions: Width; 200 mm (7-7/8")
Height; 300 mm (11-13/16")
Depth; 310 mm (12-3/8")
Weight: 3.4 kg (7.5 lbs.)

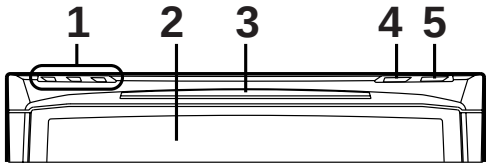
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

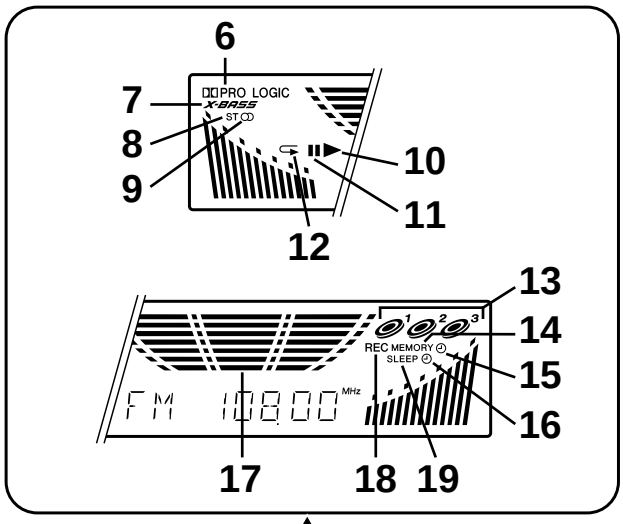
CD-PC1881V

■ Front panel

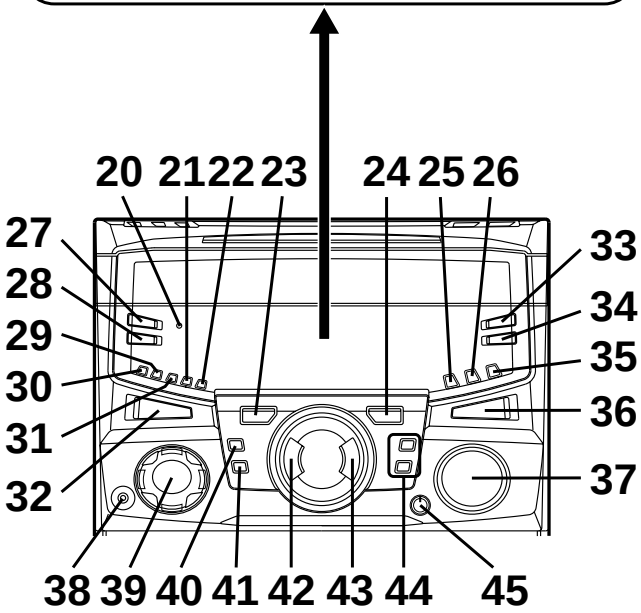
1. Disc Number Selector Buttons
2. Disc Tray
3. Multi Indicator
4. Disc Skip Button
5. Open/Close Button



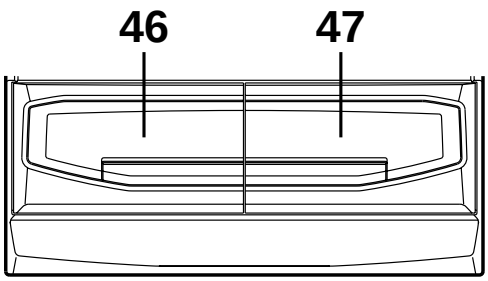
6. Dolby Pro Logic Indicator
7. Extra Bass Indicator
8. FM Stereo Mode Indicator
9. FM Stereo Indicator
10. (VCD/CD) Play Indicator
11. (VCD/CD) Pause Indicator
12. (VCD/CD) Repeat Indicator
13. (VCD/CD) Disc Number Indicators
14. (VCD/CD/TUNER) Memory Indicator
15. Timer Play Indicator
16. Timer Record Indicator
17. Spectrum Analyzer/Volume Level Indicator
18. (TAPE 2) Record Indicator
19. Sleep Indicator



20. Timer Set Indicator
21. (VCD) Digest Button
22. (VCD) Book Mark Button
23. (VCD) Skip Previous Button
    (CD) Track Down/Review Button
    (TUNER) Preset Down Button
    (TAPE 2) Rewind Button
24. (VCD) Skip Next Button
    (CD) Track Up/Cue Button
    (TUNER) Preset Up Button
    (TAPE 2) Fast Forward Button
25. Bypass Button
26. Normal Button
27. Timer/Sleep Button
28. Clock Button
29. (VCD) Playback Control Auto/Off Button
30. (VCD/CD) Audio Mode Button
31. (VCD) On Screen Display On/Off Button
32. On/Stand-by Button
33. Equalizer Mode Selector Button
34. Dimmer Button
35. Phantom Button
36. Extra Bass/Demo Mode Button
37. Volume Control
38. Headphone Socket
39. Function Selector Button
40. (TAPE 2) Record Pause Button
41. Memory/Set Button
42. (VCD) Stop/Return
    (CD/TAPE) Stop Button
43. (VCD) Play/Repeat/Select/Resume Button
    (CD) Play/Repeat Button
    (TAPE) Play Button
44. Tuning and Time Up/Down Buttons
45. Sub Woofer Volume Control

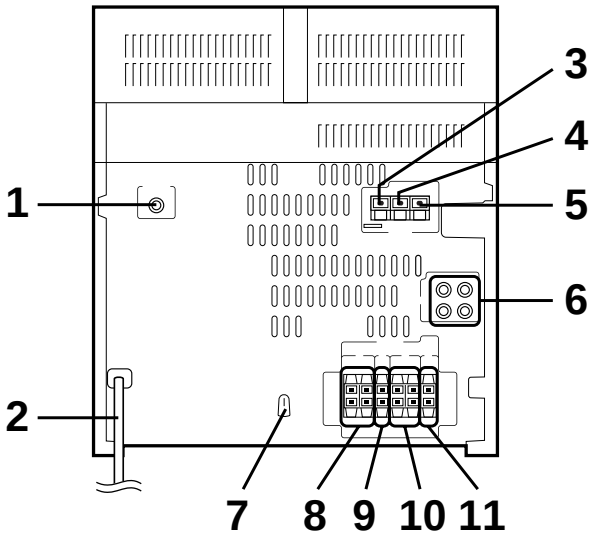


46. (TAPE 1) Cassette Compartment
47. (TAPE 2) Cassette Compartment



■ Rear panel

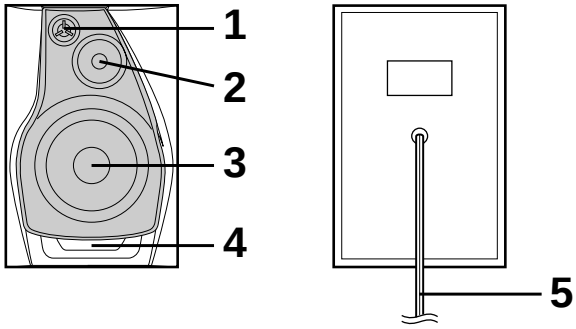
1. Video Output Socket
2. AC Power Lead
3. AM Aerial Terminal
4. Aerial Earth Terminal
5. FM 75 Ohms Aerial Terminal
6. Video/Auxiliary (Audio Signal) Input Sockets
7. AC Voltage Selector
8. Surround Speaker Terminals
9. Centre Speaker Terminals
10. Front Speaker Terminals
11. Sub Woofer Terminals



CP-C881

■ Front speaker

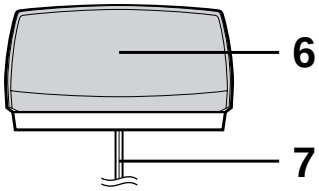
1. Super Tweeter
2. Tweeter
3. Woofer
4. Bass Reflex Duct
5. Speaker Wire



GBOXS0026AWM1

■ Center speaker

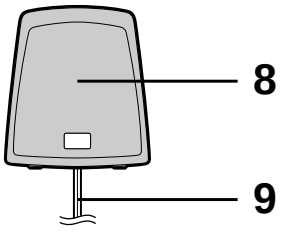
6. Full-Range Speaker
7. Speaker Wire



GBOXS0027AWM1

■ Surround speaker

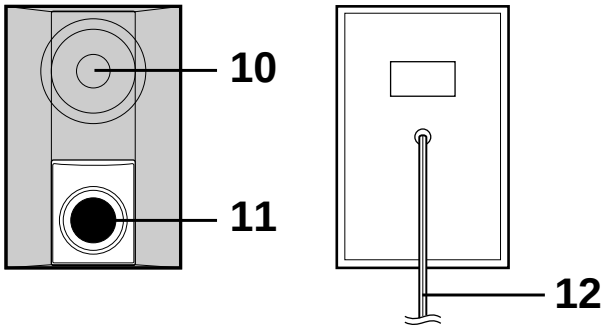
8. Full-Range Speaker
9. Speaker Wire



CP-SW881

■ Sub woofer

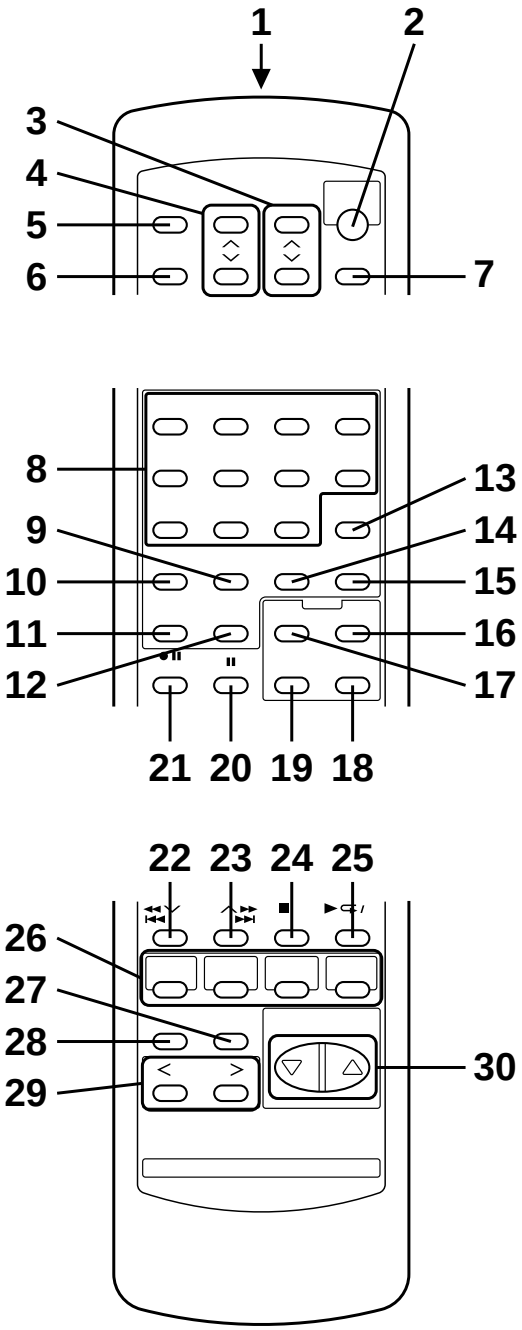
10. Woofer
11. Bass Reflex Duct
12. Speaker Wire



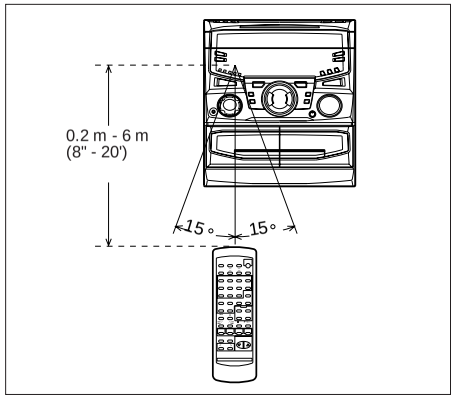
CD-PC1881V

■ Remote control

1. Remote Control Transmitter LED
2. On/Stand-by Button
3. Surround Level Buttons
4. Centre Level Buttons
5. Dolby Pro Logic Button
6. Centre Mode Button
7. Test Tone Button
8. (VCD/CD) Direct Search Buttons
9. (VCD) On Screen Display On/Off Button
10. (VCD) PAL/NTSC Select Button
11. (VCD) Book Mark Button
12. (VCD) Digest/Time Search Button
13. (VCD/CD) Audio Mode Button
14. (VCD) VCD Auto/On Button
15. (VCD) Playback Control Auto/Off Button
16. (VCD/CD) Clear Button
17. (VCD/CD) Memory Button
18. (VCD/CD) Disc Skip Button
19. (VCD/CD) Random Button
20. (VCD/CD) Pause Button
21. (TAPE 2) Record Pause Button
22. (VCD) Skip/Previous Button
    (CD) Track Down/Review Button
    (TUNER) Preset Down Button
    (TAPE 2) Rewind Button
23. (VCD) Skip/Next Button
    (CD) Track Up/Cue Button
    (TUNER) Preset Up Button
    (TAPE 2) Fast Forward Button
24. (VCD) Stop/Return Button
    (CD/TAPE) Stop Button
25. (VCD) Play/Repeat/Select/Resume Button
    (CD) Play/Repeat Button
    (TAPE) Play Button
26. Function Selector Buttons
27. Extra Bass Button
28. Equalizer Mode Button
29. Balance Control Buttons
30. Volume Up/Down Buttons



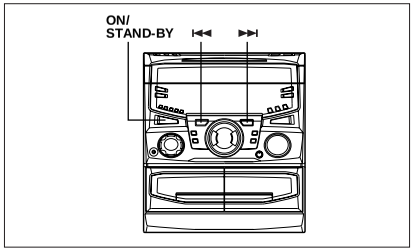
■ Remote control



Notes concerning use:

- Replace the batteries if the operating distance is reduced or if the operation becomes erratic.
- Periodically clean the transmitter LED on the remote control and the sensor on the main unit with a soft cloth.
- Exposing the sensor on the main unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
- Keep the remote control away from moisture, excessive heat, shock, and vibrations.

RESETTING THE MICROCOMPUTER



Reset the microcomputer under the following conditions:

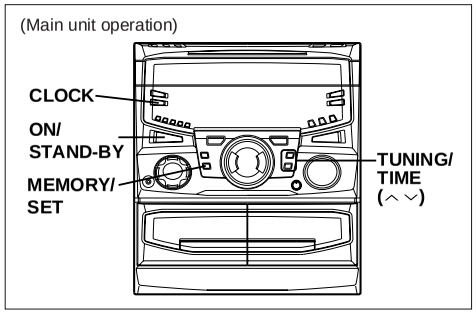
- To erase all of the stored memory contents (clock and timer settings, and tuner and CD presets).
- If the display is not correct.
- If the operation is not correct.

1 Press the ON/STAND-BY button to enter the stand-by mode.
2 Whilst pressing down the ⏮ button and the ⏭ button, hold down the ON/STAND-BY button for at least 1 second.

Caution:

- The operation explained above will erase all data stored in memory including clock and timer settings, and tuner, video CD and CD presets.

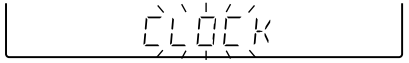
SETTING THE CLOCK



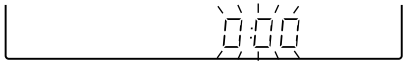
In this example, the clock is set for the 24-hour (0:00) system.

1 Press the ON/STAND-BY button to enter the stand-by mode.

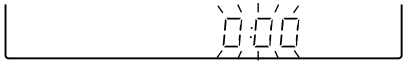
2 Press the CLOCK button.



3 Within 5 seconds, press the MEMORY/SET button.



4 Press the TUNING/TIME (∨ or ∧) button to select the time display mode.

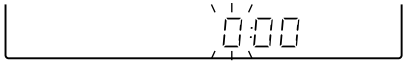


0:00 ⟷ AM 0:00 ⟷ AM 12:00

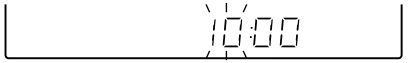
"0:00" → The 24-hour display will appear. (0:00 - 23:59)
"AM 0:00" → The 12-hour display will appear. (AM or PM 0:00 - 11:59)
"AM 12:00" → The 12-hour display will appear. (AM or PM 12:00 - 11:59)

- Note that this can only be set when the unit is first installed or it has been reset.

5 Press the MEMORY/SET button.

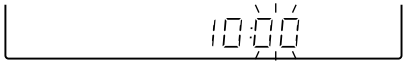


6 Press the TUNING/TIME (∨ or ∧) button to adjust the hour.

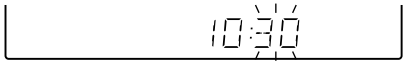


- Press the TUNING/TIME (∨ or ∧) button once to advance the time by 1 hour. Hold it down to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".

7 Press the MEMORY/SET button.

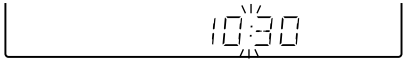


8 Press the TUNING/TIME (∨ or ∧) button to adjust the minutes.



- Press the TUNING/TIME (∨ or ∧) button once to advance the time by 1 minute. Hold it down to change the time in 5 minute intervals.
- The hour setting will not advance even if minutes advance from "59" to "00".

9 Press the MEMORY/SET button.



- The clock starts operating from "0" seconds. (Seconds are not displayed.) And then the clock display will disappear a few seconds.

To see the time display:

Press the CLOCK button.

- The time display will appear for about 5 seconds.

Note:

- The clock display will flash on and off at the push of the CLOCK button when the AC power supply is restored after a power failure occurs or after the AC power lead is disconnected. If this happens, follow the procedure below to change the clock time.

To change the clock time:

①Press the CLOCK button.
②Within 5 seconds, press the MEMORY/SET button.
③Perform steps 6 - 9 above.

To change the time display mode:

①Perform steps 1 - 2 in the section "RESETTING THE MICROCOMPUTER", .
②Perform steps 1 - 9 above.

DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

CD-PC1881V

STEP	R EMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw ..... (A1) x4	8-1
2	Side Panel (Left/Right)	1. Screw ..... (B1) x4 2. Screw ..... (B2) x2	8-1
3	CD Tray Cover/ CD Player Unit	1. Turn on the power supply, open the disc tray, take out the CD cover, and close. (Note 1) (Note 2) 2. Hook ..... (C1) x5 3. Hook ..... (C2) x2 4. Socket ..... (C3) x4 5. Screw ..... (C4) x2	8-2
4	Jack PWB	1. Screw ..... (D1) x1	8-2
5	Rear Panel	1. Screw ..... (E1) x2 2. Screw ..... (E2) x8 3. Screw ..... (E3) x2 4. Socket ..... (E4) x1	8-2
6	Tuner PWB	1. Screw ..... (F1) x1 2. Socket ..... (F2) x1	8-2
7	Main PWB	1. Socket ..... (G1) x2 2. Flat Cable ..... (G2) x1 3. Flat Wire ..... (G3) x1 4. Tip Wire ..... (G4) x1 5. Screw ..... (G5) x1 6. Socket ..... (G6) x1	9-1
8	Power PWB	1. Screw ..... (H1) x4 2. Screw ..... (H2) x2 3. Socket ..... (H3) x4 4. PWB Holder ..... (H4) x4	9-1
9	Front Panel	1. Screw ..... (J1) x1 2. Screw ..... (J2) x2	9-2
10	Display PWB/ Switch PWB Headphones PWB	1. Screw ..... (K1) x13 2. Bracket Support ..... (K2) x1 3. Knob ..... (K3) x1	9-2
11	Tape Mechanism	1. Open the cassette holder. 2. Screw..... (L1) x6 3. Socket ..... (L2) x1	9-2
12	Turntable	1. Screw ..... (M1) x1 2. Cover ..... (M2) x1	9-3
13	Disc Tray	1. Screw ..... (N1) x2 2. Guide ..... (N2) x2	9-3
14	CD Video PWB	1. Screw ..... (P1) x1 2. Socket ..... (P2) x4	9-4
15	CD Changer Mechanism	1. Screw ..... (Q1) x4	9-5
16	CD Mechanism	1. Screw ..... (R1) x1	9-5

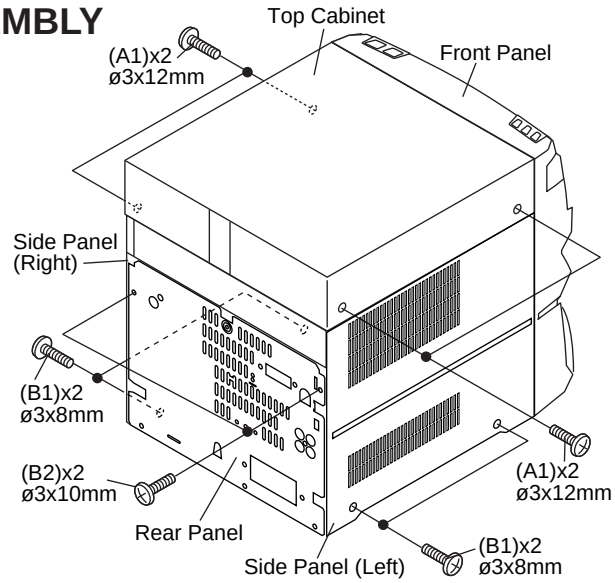


Figure 8-1

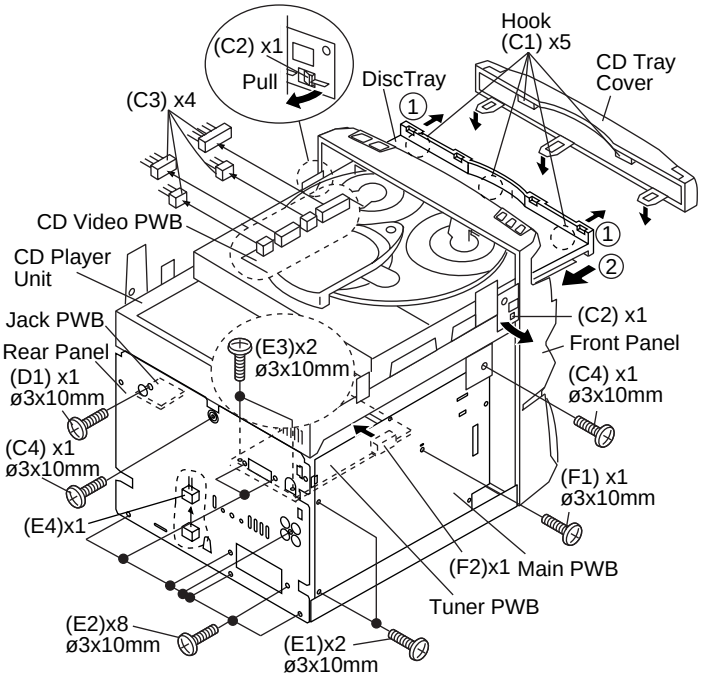


Figure 8-2

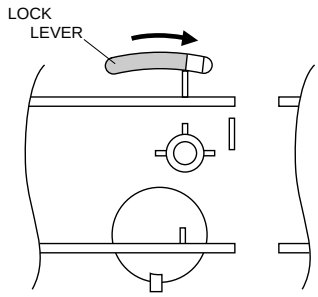


Figure 8-3

Note 1:

How to open the changer manually. (Fig. 8-3)

1. Change, turn fully the lock lever in the arrow direction through the hole on the loading chassis bottom in this state. After that, push forward the CD player base.

Note 2:

1. After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of connector to protect the optical pickup from electrostatic damage.

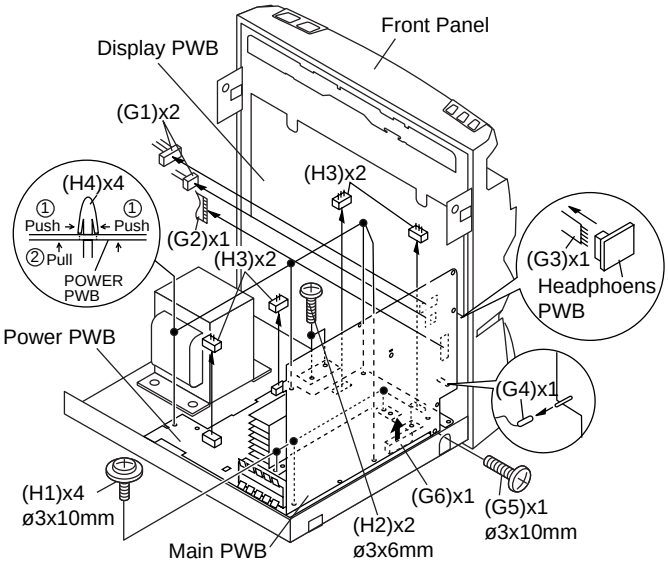


Figure 9-1

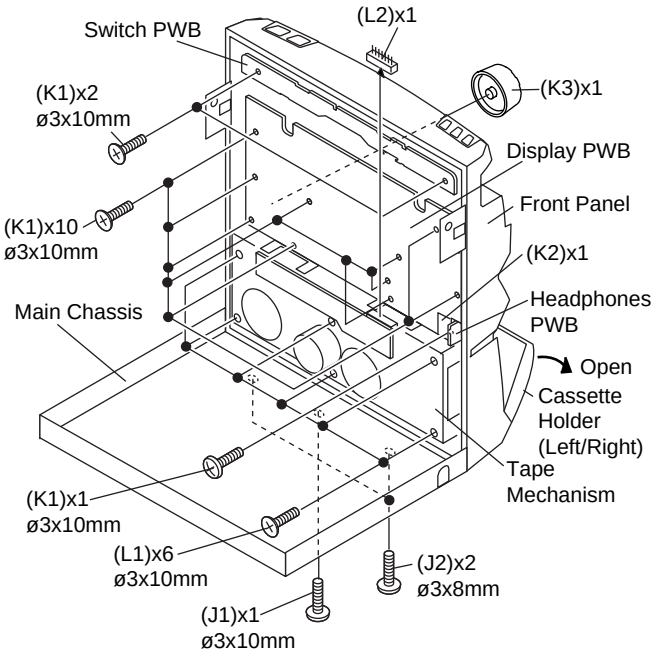


Figure 9-2

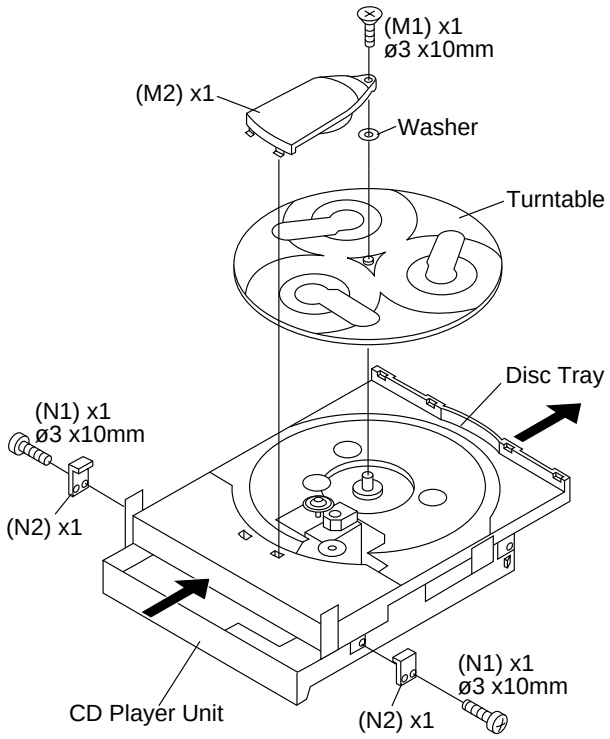


Figure 9-3

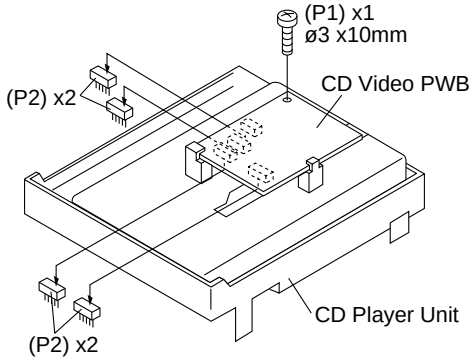
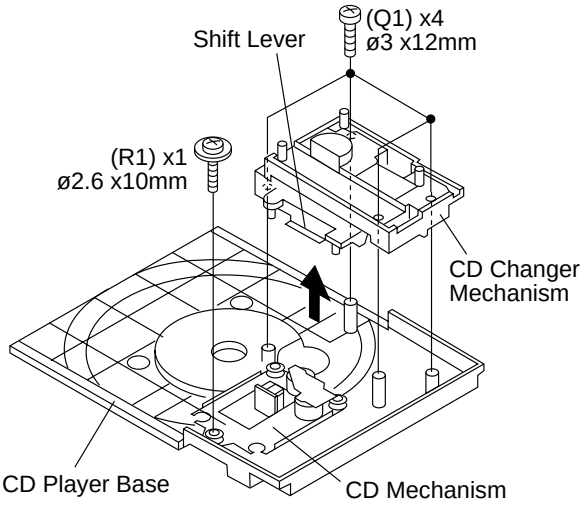


Figure 9-4



Be careful when installing the CD changer mechanism. Install the CD changer mechanism on the CD player base after the shift lever has been set in the highest position.

Figure 9-5

CD-PC1881V

CP-C881

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front Speaker	1. Front Panel ..... (A1) x1 2. Tip ..... (A2) x2 3. Screw ..... (A3) x2 4. Screw ..... (A4) x2 5. Screw ..... (A5) x4	10-1

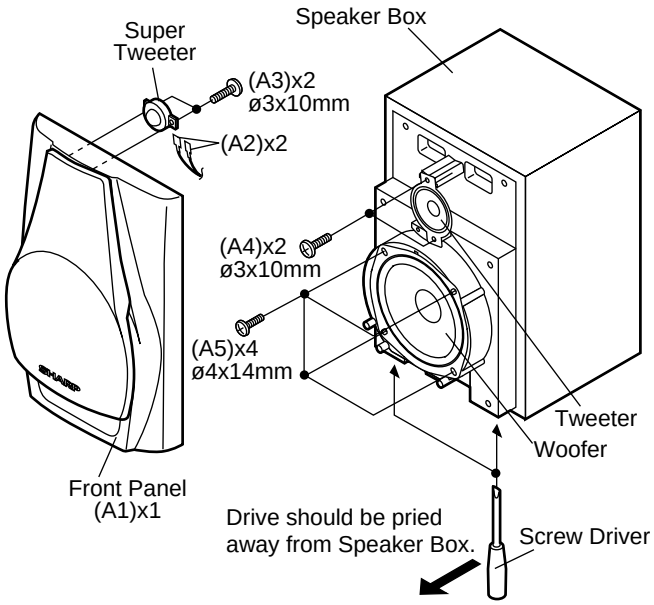


Figure 10-1

CP-SW881

STEP	REMOVAL	PROCEDURE	FIGURE
1	Sub woofer	1. Net..... (A1) x1 2. Screw ..... (A2) x4	10-2

Note:
The surround speakers and center speaker can be easily disassembled.
Therefore the disassembling method is not described.
For details refer to the disassembling drawing in the Parts Guide.

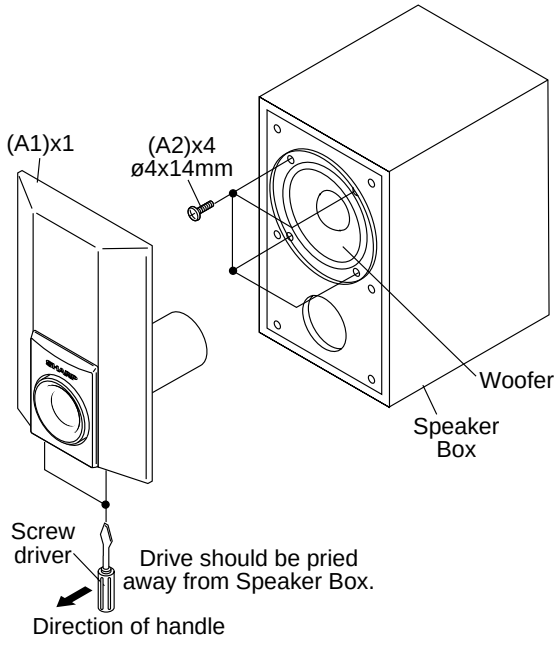


Figure 10-2

REMOVING AND REINSTALLING THE MAIN PARTS

CD MECHANISM SECTION

Perform steps 1, 2, 3 and 14-16 of the disassembly method to remove the CD mechanism.

How to remove the T/T up/down loading motor (See Fig. 11-1)

1. Remove the screws (A1) x 2 pcs., to remove the T/T up/down loading motor.

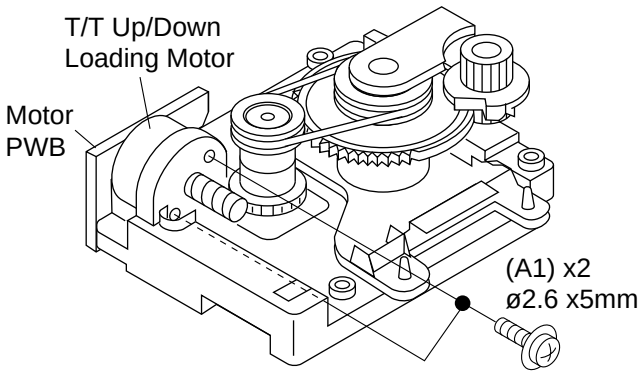


Figure 11-1

How to remove the pickup (See Fig. 11-2)

1. Remove the screws (B1) x 2 pcs., to remove the shaft (B2)x 1 pc.
2. Remove the stop washer (B3) x 1 pc., to remove the gear (B4)x 1 pc.
3. Remove the pickup.

Note

After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of connector to protect the optical pickup from electrostatic damage.

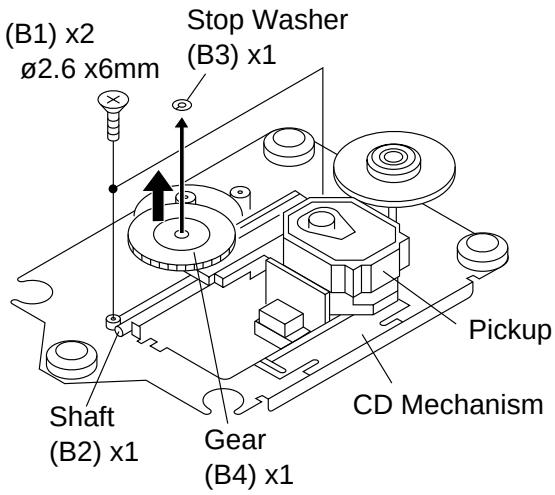


Figure 11-2

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2412	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 60 g. cm	30 to 60 g.cm
Fast forward: TW-2231	—	60 to 120 g.cm
Rewind: TW-2231	—	60 to 120 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor. (MM1)	3,000 ± 30 Hz	Speaker terminal (Load resistance: 8 ohms)

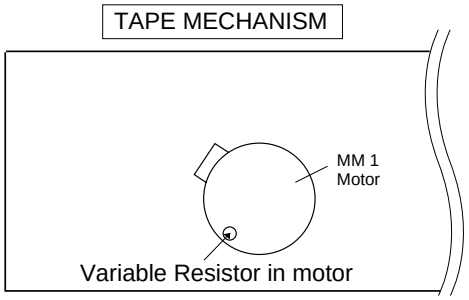


Figure 12-1

TUNER SECTION

fL: Low-range frequency
fH: High-renge frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	—	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fH): T302	*1

*1. Input: Antenna, Output: TP302
*2. Input: Antenna, Output: TP301

• FM

Notes:

1: Description of the "FM IF Adjustment" is not carried on this Manual. It is because the IF coil in the FM front end section has been best adjusted in the factory so that its further adjustment is not needed at the field. When replacing the FM front end assembly, no adjustment is needed either.
2: The parts in the FM front end section are prepared in a complete unit, so you can't obtain each part individually.

• FM Mute Level

Signal generator: 1 kHz, 40 kHz dev., FM modulated

Frequency	Frequency Display	Adjusting Parts	Instrument Connection
98.00 MHz (25 dBμV)	98.00 MHz	VR351	Input: Antenna Output: Speaker Terminal

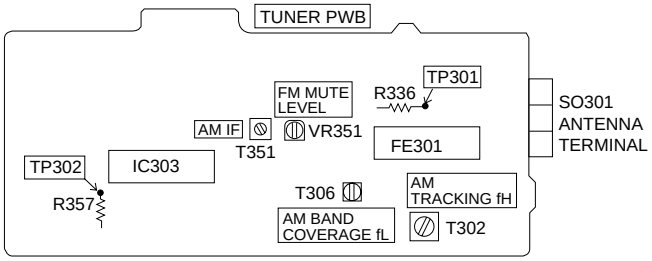


Figure 12-2 ADJUSTMENT POINTS

CD ERROR CODE DESCRIPTION

When a malfunction occurs during CD operation, an error code will be displayed to identify the function in CD operation which failed.

Error	State Code
0001	Cannot detect pickup-in SW
0101	Tray close operation error
0105	Tray close operation error
0201	Tray open operation error
0203	Tray open operation error
0304	Disc skip operation error
0305	Disc skip operation error
0307	Disc skip operation error

TEST MODE

• Setting the test mode

Any one of test mode can be set by pressing several keys as follows.

<CD> + < ▶▶ > + <POWER> TEST: CD operation test

• TEST mode

Function — CD test mode

Setting of TEST mode
Indication of CD TST mode (Fig. 13-1)
OPEN/CLOSE operation is manual operation.
The pickup can be moved by using the (▶▶) or (◀◀) key.
IL is not performed.

<MEMORY> LASER ON — <MEMORY> Tracking on the spot. SERVO OFF PLAY — <MEMORY> Tracking on the spot. SERVO ON PLAY — <STOP> STOP

<PLAY> key input — TOC. IL is performed, and the ordinary PLAY is performed. If the following key is pressed during PLAY, it is possible to specify directly any Track No.
<Disc Number 1> key: Track 4
<Disc Number 2> key: Track 9
<Disc Number 3> key: Track 15
— Press <STOP> key. — Stop

Note:

Only in STOP state it is possible to slide the pickup with the (▶▶) or (◀◀) key.

VOL. --- Last memory
BAL. --- CENTER
R.GEQ. --- FLAT
X-BAS --- OFF

Canceling method - POWER OFF

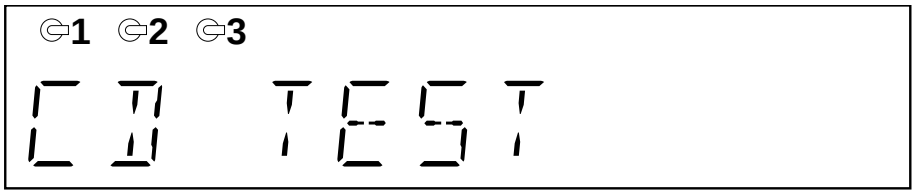


Figure 13-1

CD SECTION

Since this CD system incorporates the following automatic adjustment function, when the pickup is replaced, it is not necessary to readjust it.
Since this CD unit does not need adjustment, the combination of PWB and laser pickup unit is not restricted.

• Automatic adjustment item

1. Focus offset (Fig. 13-2)
2. Tracking offset (Fig. 13-3)
3. E/F balance (tracking error balance) (Fig. 13-4)
4. RF level AGC function (HF level: constant)
5. RF level automatic follow-up of the tracking gain

This automatic adjustment is performed each time a disc is changed. Therefore, each disc is played back using the optimal settings.

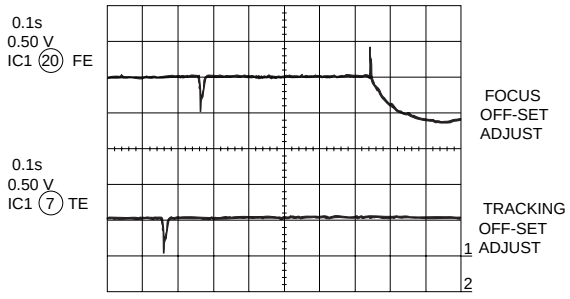


Figure 13-2

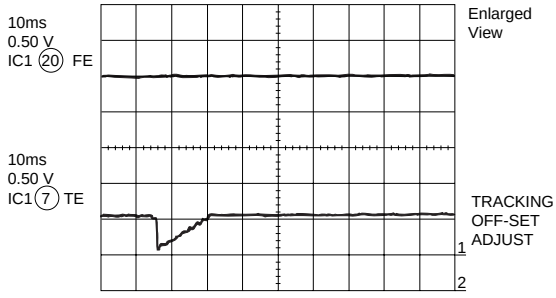


Figure 13-3

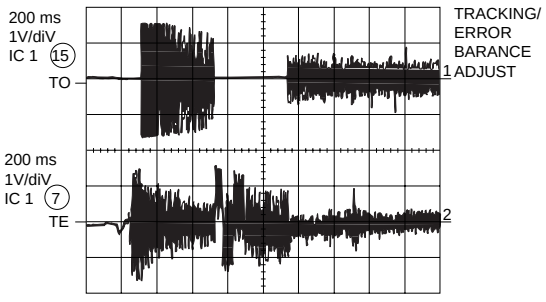


Figure 13-4

CD-PC1881V

EXPLANATION OF DOLBY SURROUND PRO LOGIC AND EVALUATION METHOD

Outline

- Namely, two speakers are connected in parallel to one amplifier.
- In the Pro Logic BYPASS mode the amplifier for C-ch (center channel) and the amplifier for S-ch (surround channel) are in MUTE state. The SP output is cut.
- In the normal mode of Pro Logic ON mode the amplifiers for C-ch and S-ch are in operative state, so that the SP output appears.
- In the Phantom mode of Pro Logic ON mode the amplifier for C-ch is in MUTE state, so that the SP output is cut. The amplifier for S-ch (surround) is in operative state, so that the SP output appears

• State of element output and terminal output in specific mode

State of set / Output point		Dolby Pro Logic	Dolby Pro Logic On mode	
		Bypass mode	Normal mode	Phantom mode
IC501	12 pin L-out	Output enabled state	Output enabled state	Output enabled state
	11 pin R-out	Output enabled state	Output enabled state	Output enabled state
IC501	9pin C-out	No output	Output enabled state	No output
IC501	10pin S-out	No output	Output enabled state	Output enabled state
SP OUT (SO901)	L-ch	Output enabled state	Output enabled state	Output enabled state
	R-ch	Output enabled state	Output enabled state	Output enabled state
SP OUT C-ch (SO901)		No output in MUTE (Q404) state	Output enabled state	No output in MUTE (Q404) state
SP OUT S-ch (SO901)		No output in MUTE (Q403) state	Output enabled state	Output enabled state

Test tone output

• Pro Logic ON Normal mode

Press the remote control TEST TONE button.

→Output of only L-ch →Output of only C-ch
↑ ↓
Output of only S-ch ← Output of only R-ch

The test tone (noise) is repeatedly output for output period (2 sec).

In this case the following indication appears repeatedly.

→TEST →L-ch →C-ch
↑ ↓
S-ch ← R-ch

• Pro Logic ON Phantom mode

Press the remote control TEST TONE button.

→Output of only L-ch →Output of only R-ch
↑ ↓
← Output of only S-ch

The test tone (noise) is repeatedly output for output period (2 sec).

In this case the following indication appears repeatedly.

→TEST → L-ch → R-ch
↑ ↓
← S-ch←

Relation between VIDEO IN input and output in Pro Logic ON state

(1) L-ch/R-ch same phase input into VIDEO IN input jack in VIDEO Function mode

Output point		Normal mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO901) SP out C-ch		Input signal is output.
(SO901) SP out S-ch		Almost no output (only omitting component)

Output point		Phantom mode
SP out (SO901)	L-ch	Input signal is output.
	R-ch	Input signal is output.
(SO901) SP out C-ch		SP cut, no output
(SO901) SP out S-ch		Almost no output (only omitting component)

(2) L-ch/R-ch reverse phase input into VIDEO IN input jack in VIDEO Function mode

(Reverse phase: Phase difference between L and R is 180°)

Output point		Normal mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO901) SP out C-ch		Almost no output (only omitting component)
(SO901) SP out S-ch		Input signal is output.

Output point		Phantom mode
SP out (SO901)	L-ch	Almost no output (only omitting component)
	R-ch	Almost no output (only omitting component)
(SO901) SP out C-ch		SP cut, no output
(SO901) SP out S-ch		Input signal is output.

• Accordingly, if you want to output signal waveform to C-ch SP out, give the same phase input into L-ch/R-ch INPUT in the Pro Logic Normal mode.
If one of channels receives input, C-ch does not output. Only L-ch or R-ch outputs.

• If you want to output signal waveform to S-ch SP out, you can use either Normal mode or Phantom mode. However, 180° reverse phase input must be given to L-ch/R-ch INPUT.

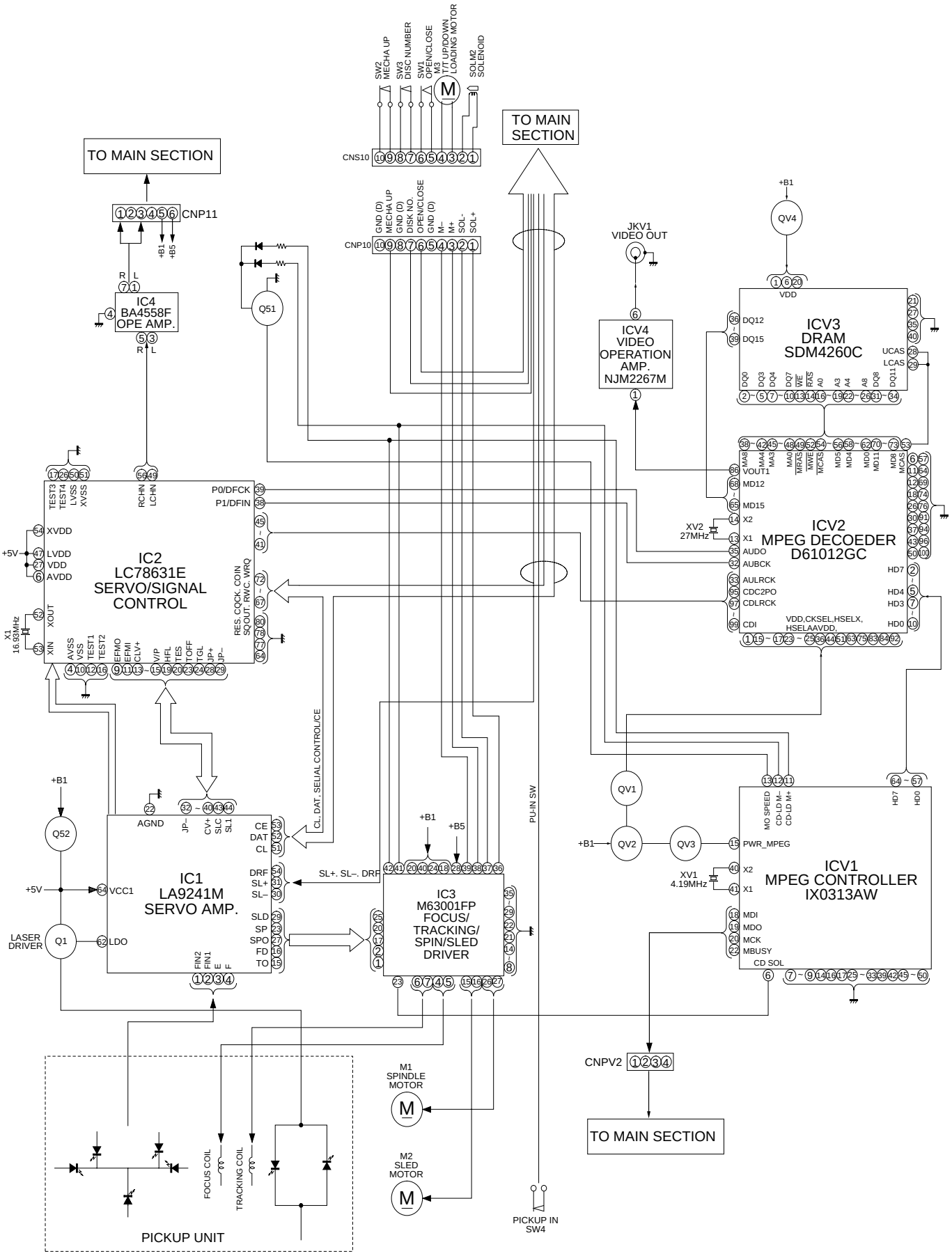


Figure 15 BLOCK DIAGRAM (1/3)

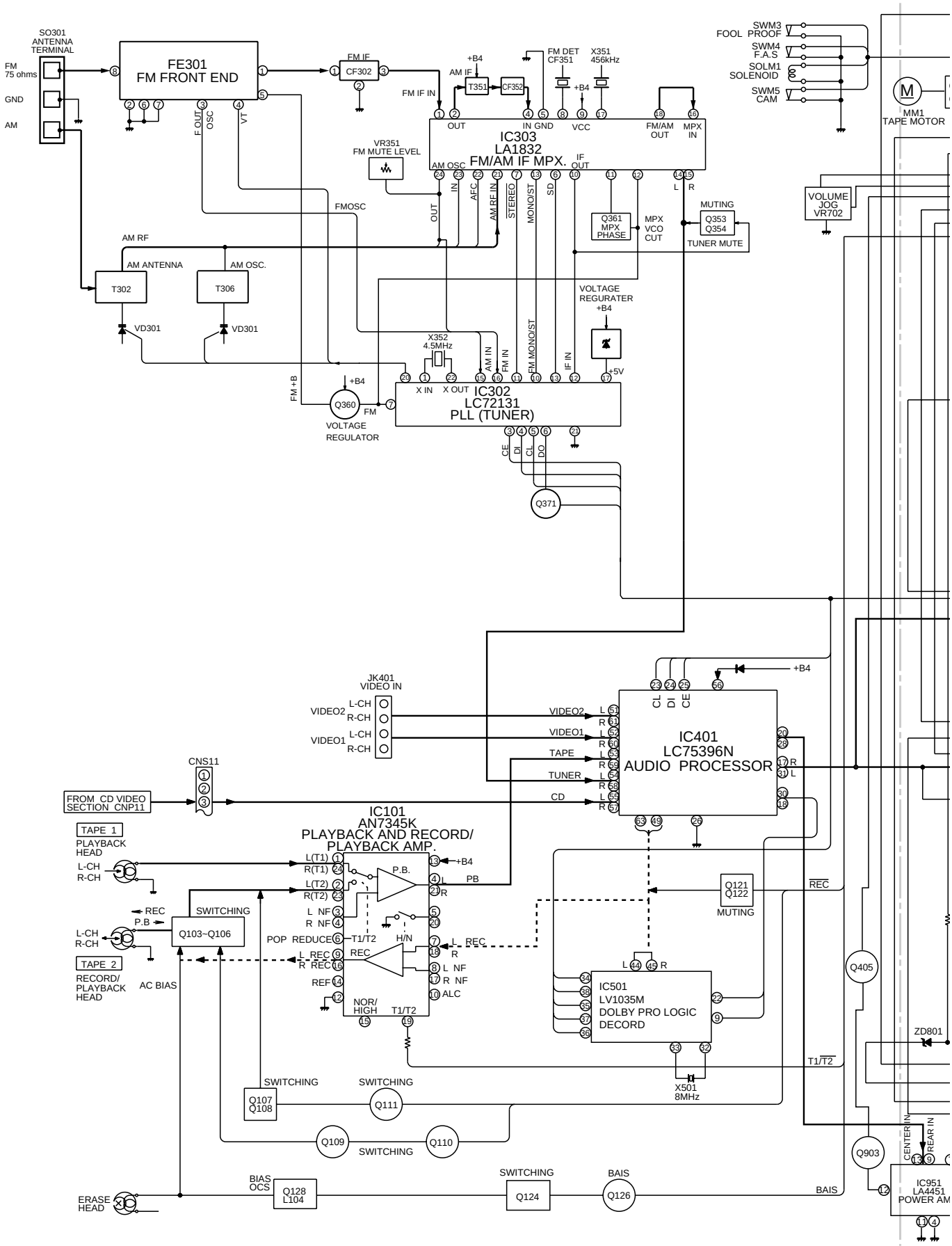


Figure 16 BLOCK DIAGRAM (2/3)

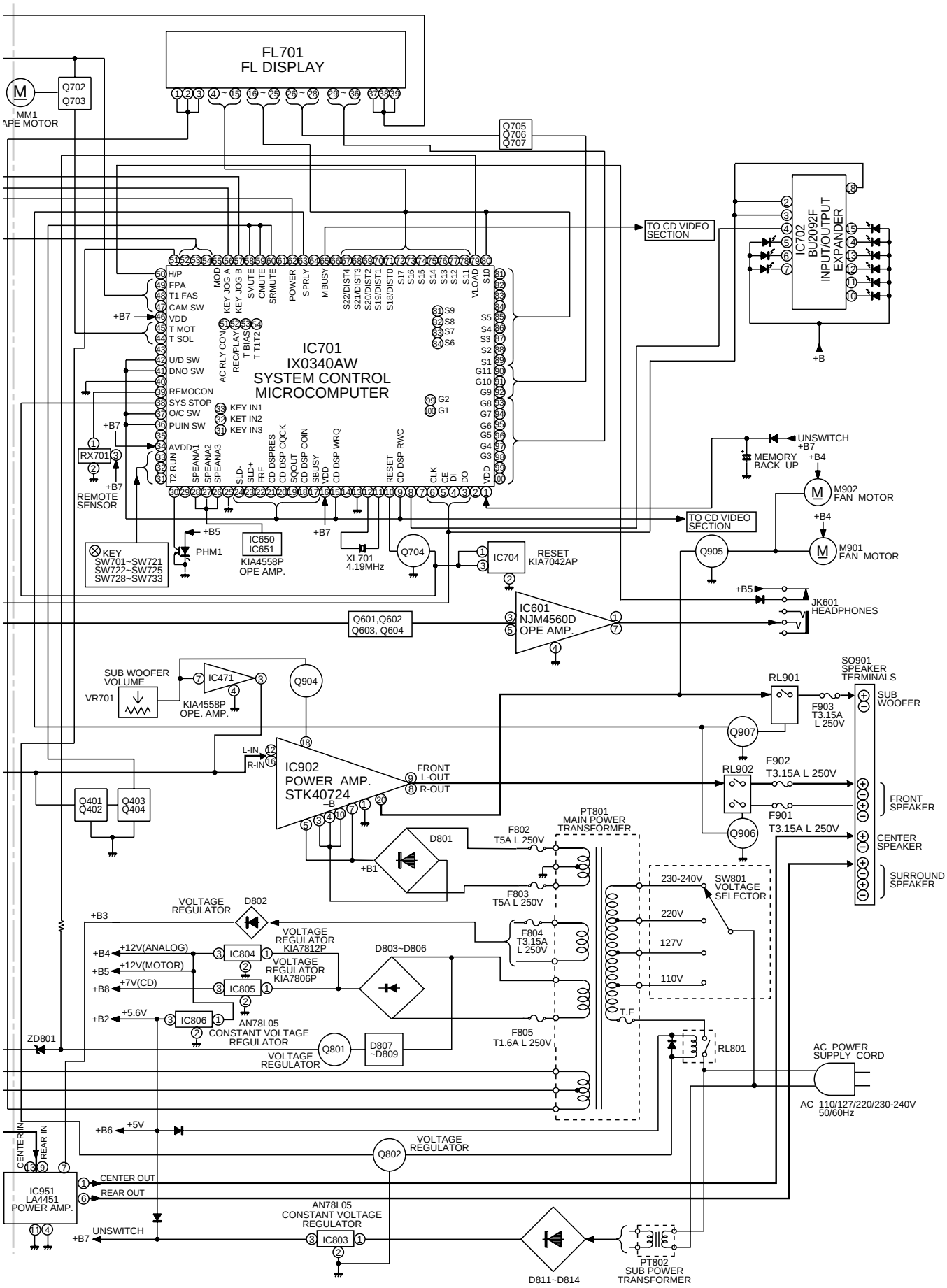
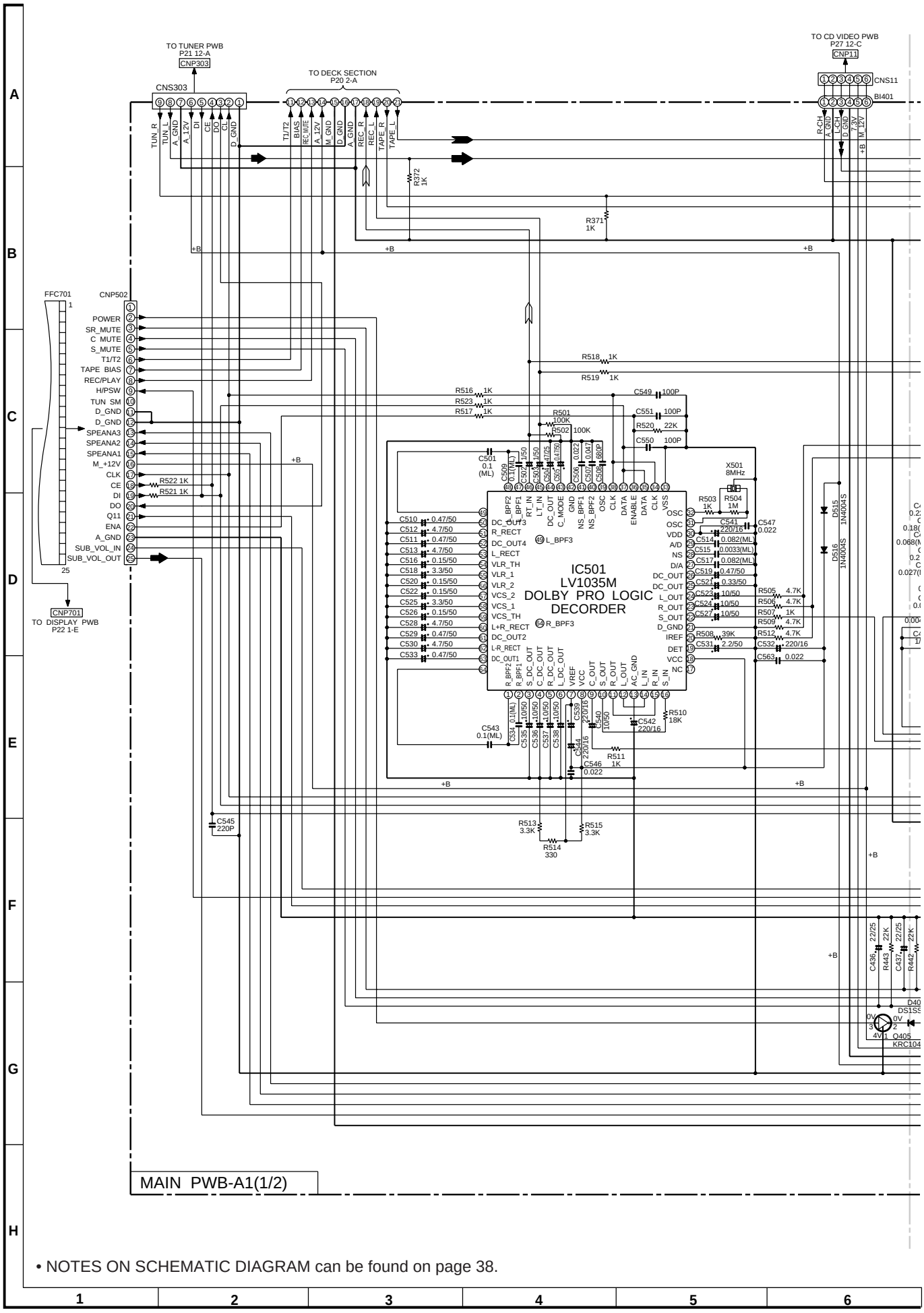


Figure 17 BLOCK DIAGRAM (3/3)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 38.

Figure 18 SCHEMATIC DIAGRAM (1/12)

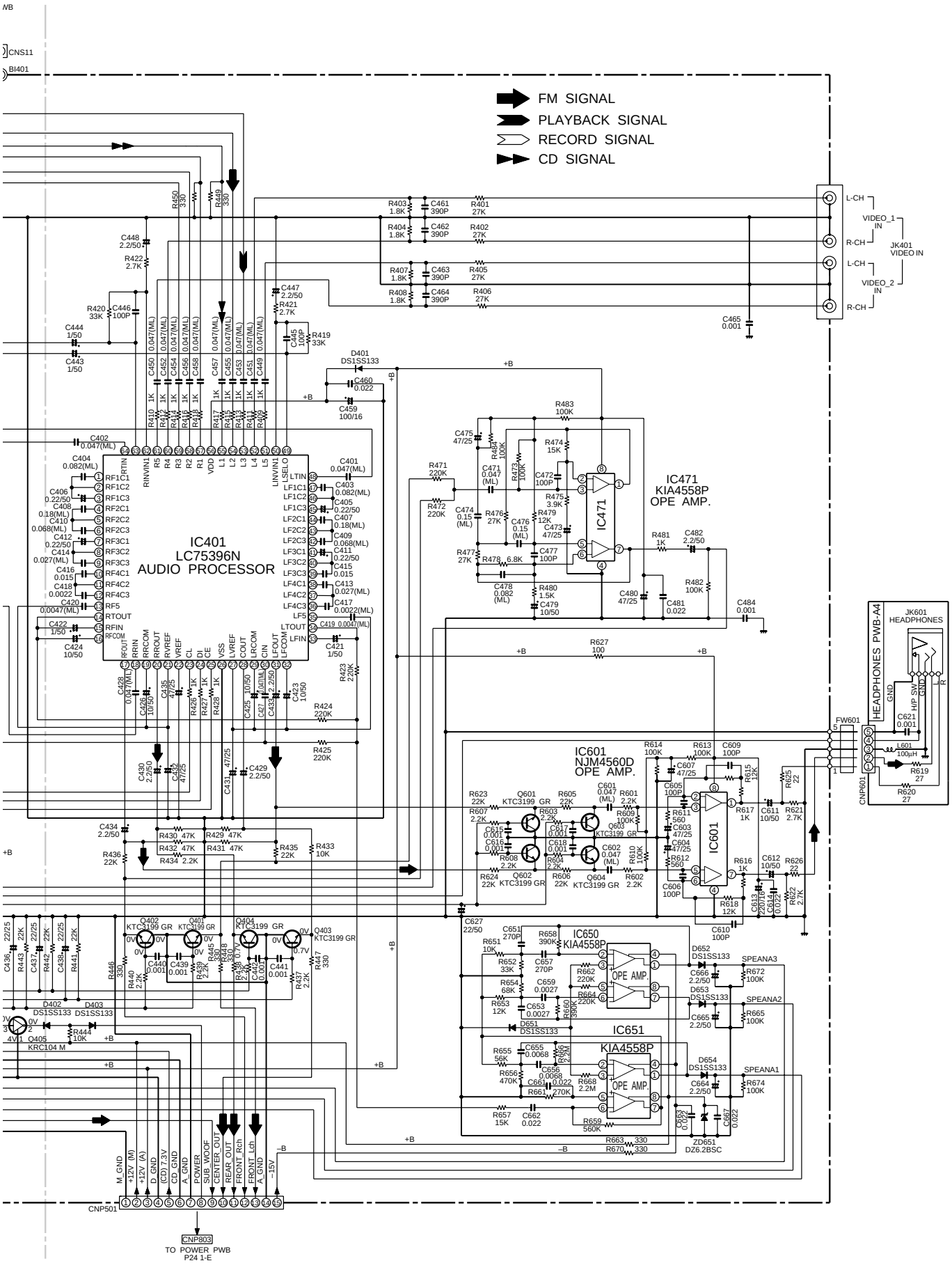
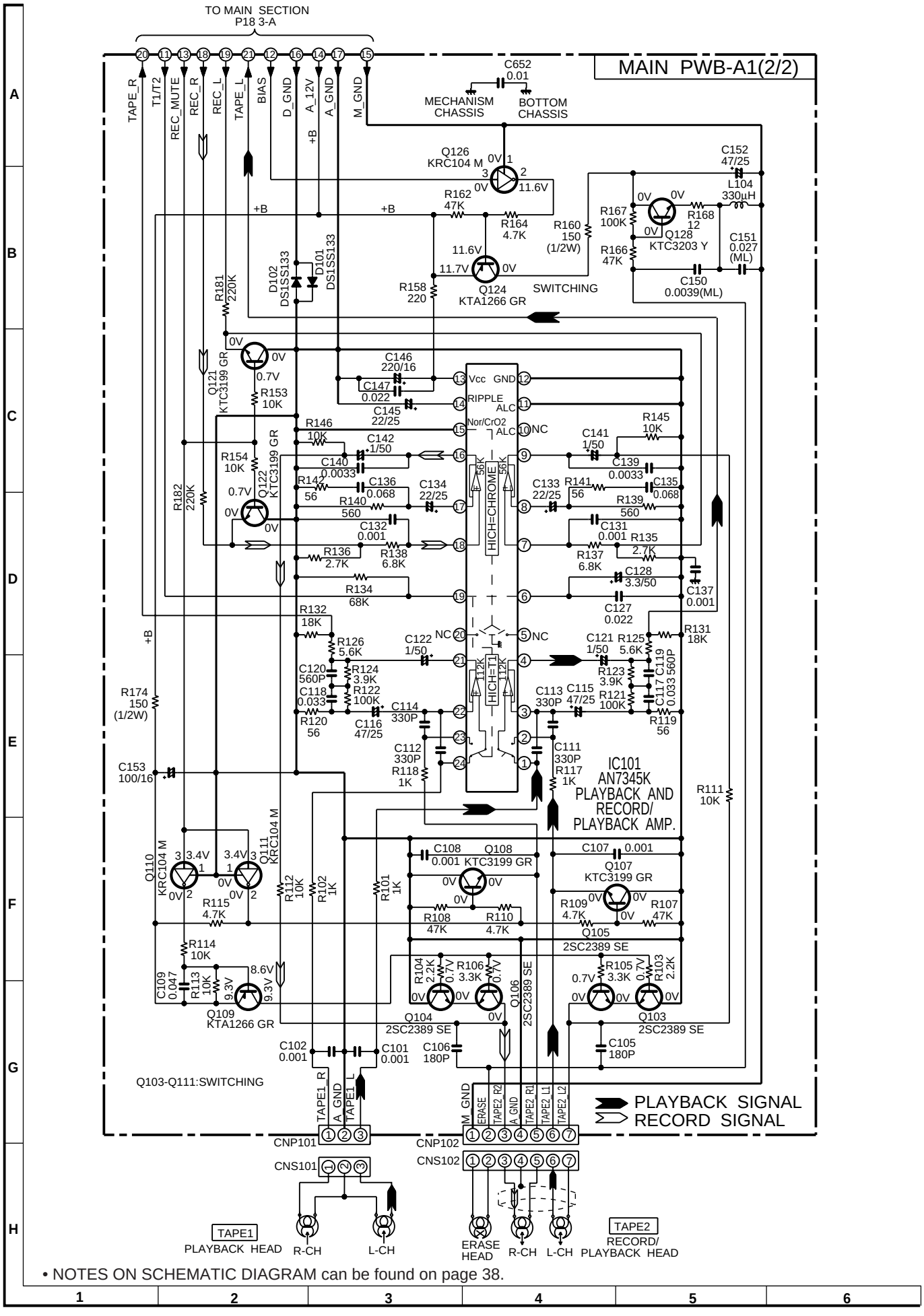
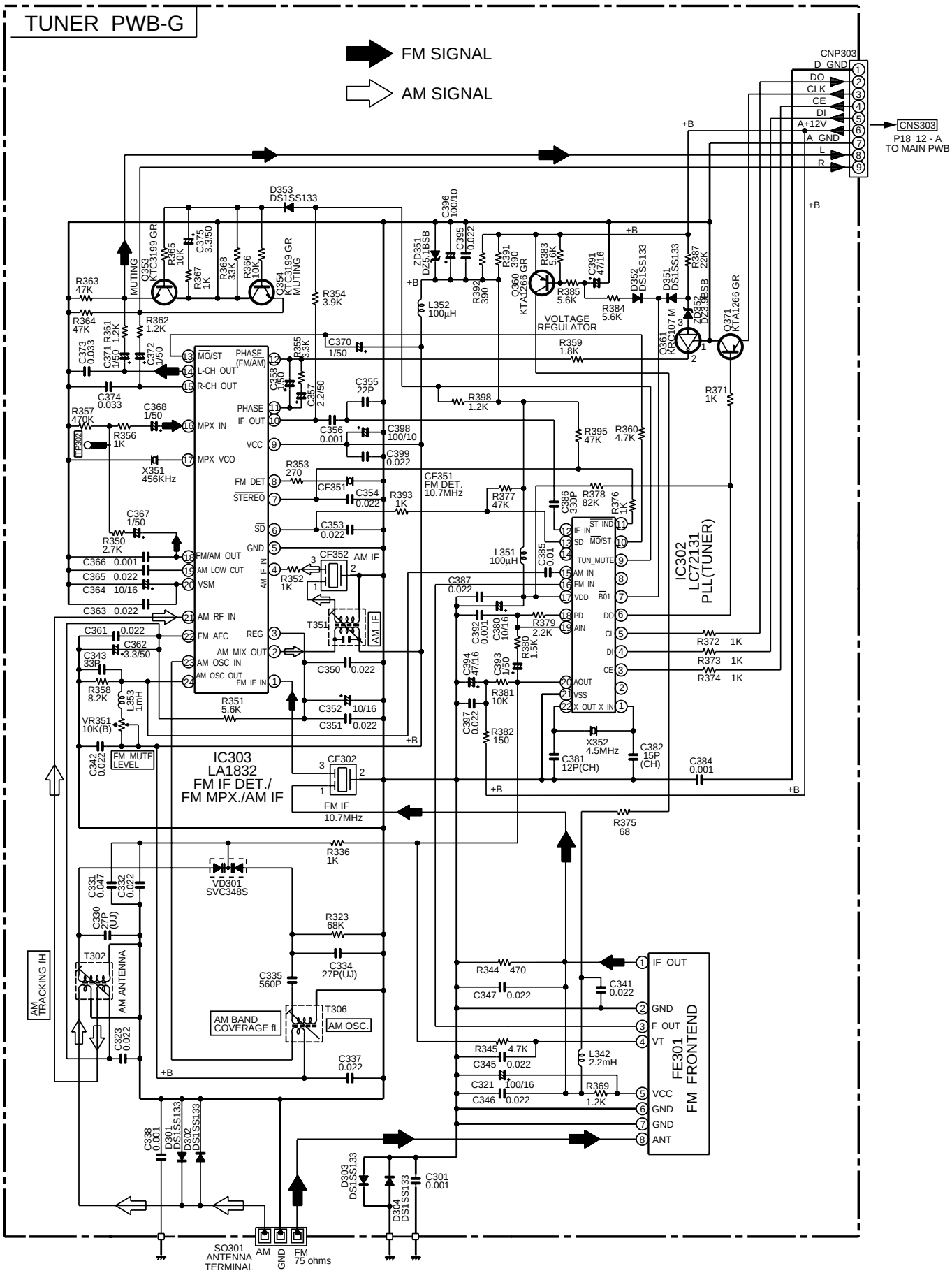


Figure 19 SCHEMATIC DIAGRAM (2/12)



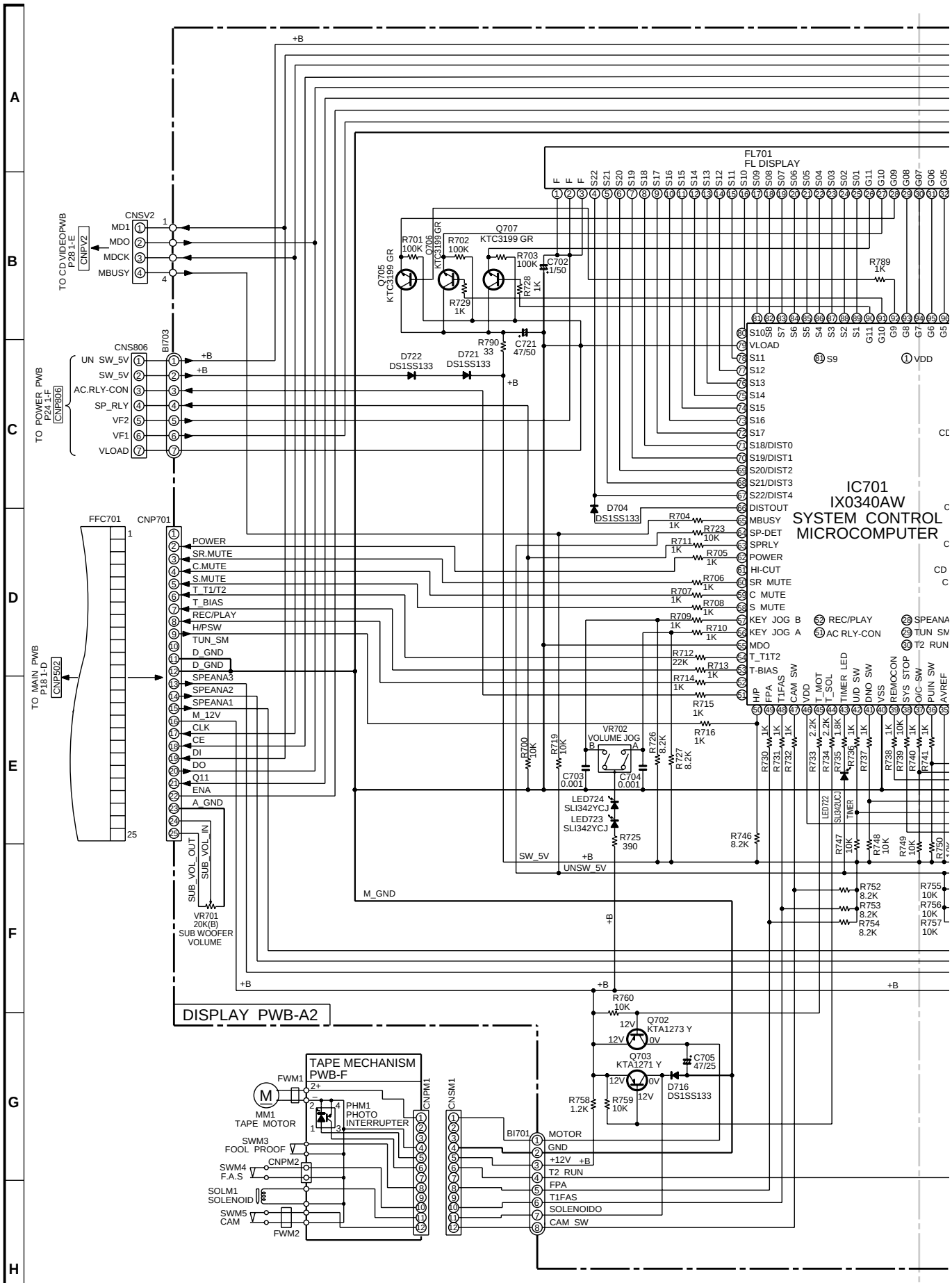
• NOTES ON SCHEMATIC DIAGRAM can be found on page 38.

Figure 20 SCHEMATIC DIAGRAM (3/12)



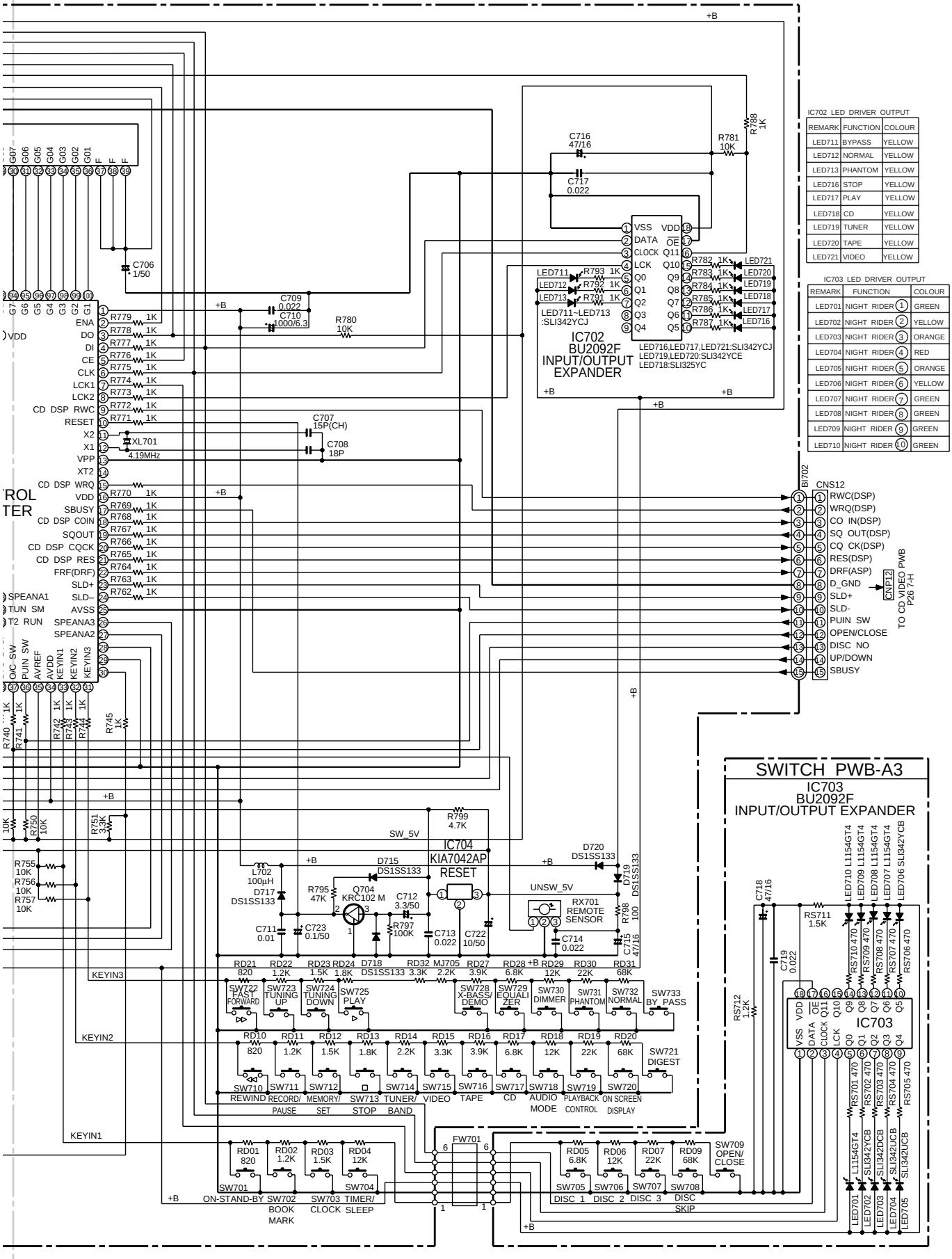
7	8	9	10	11	12

Figure 21 SCHEMATIC DIAGRAM (4/12)



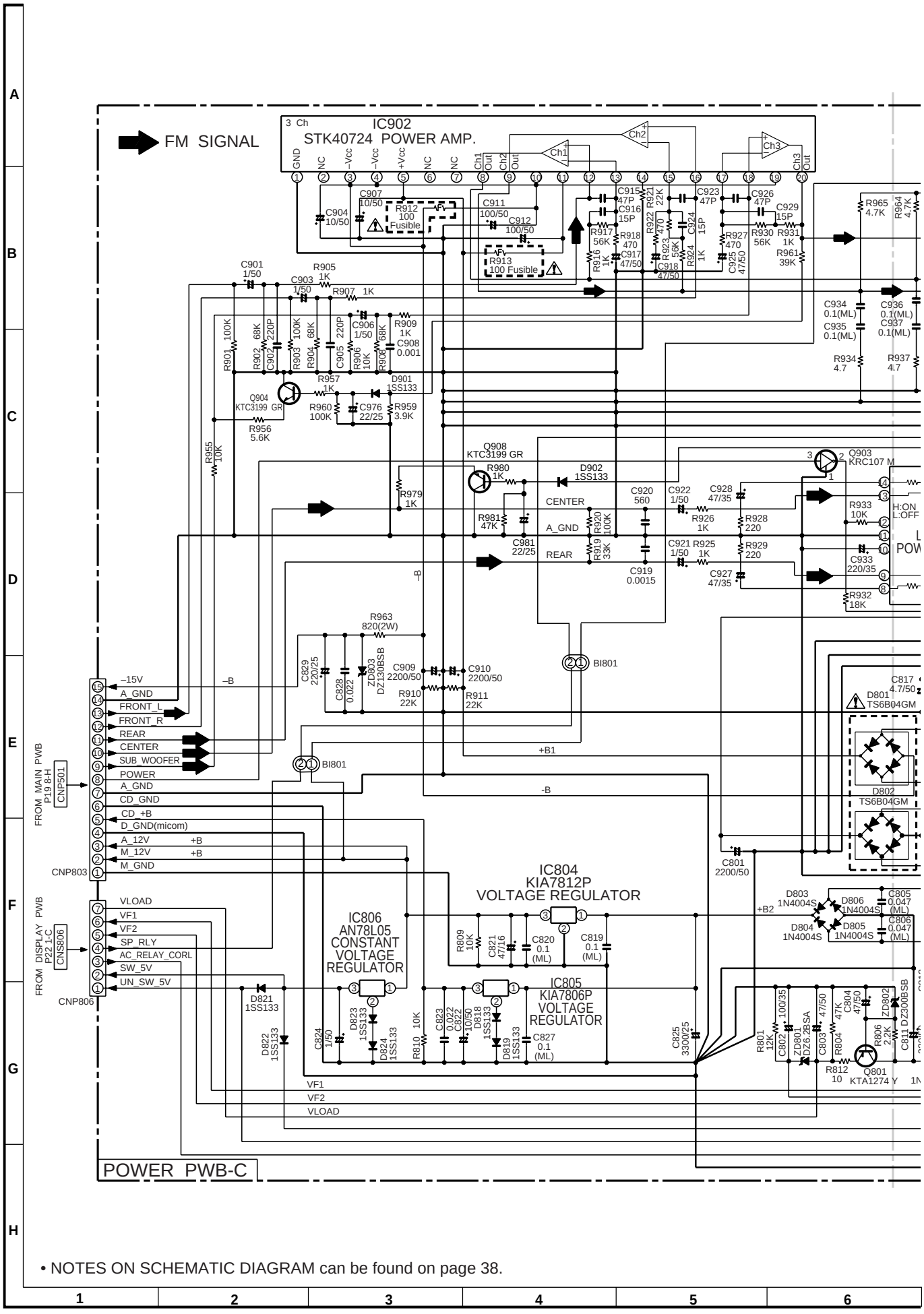
• NOTES ON SCHEMATIC DIAGRAM can be found on page 38.

Figure 22 SCHEMATIC DIAGRAM (5/12)



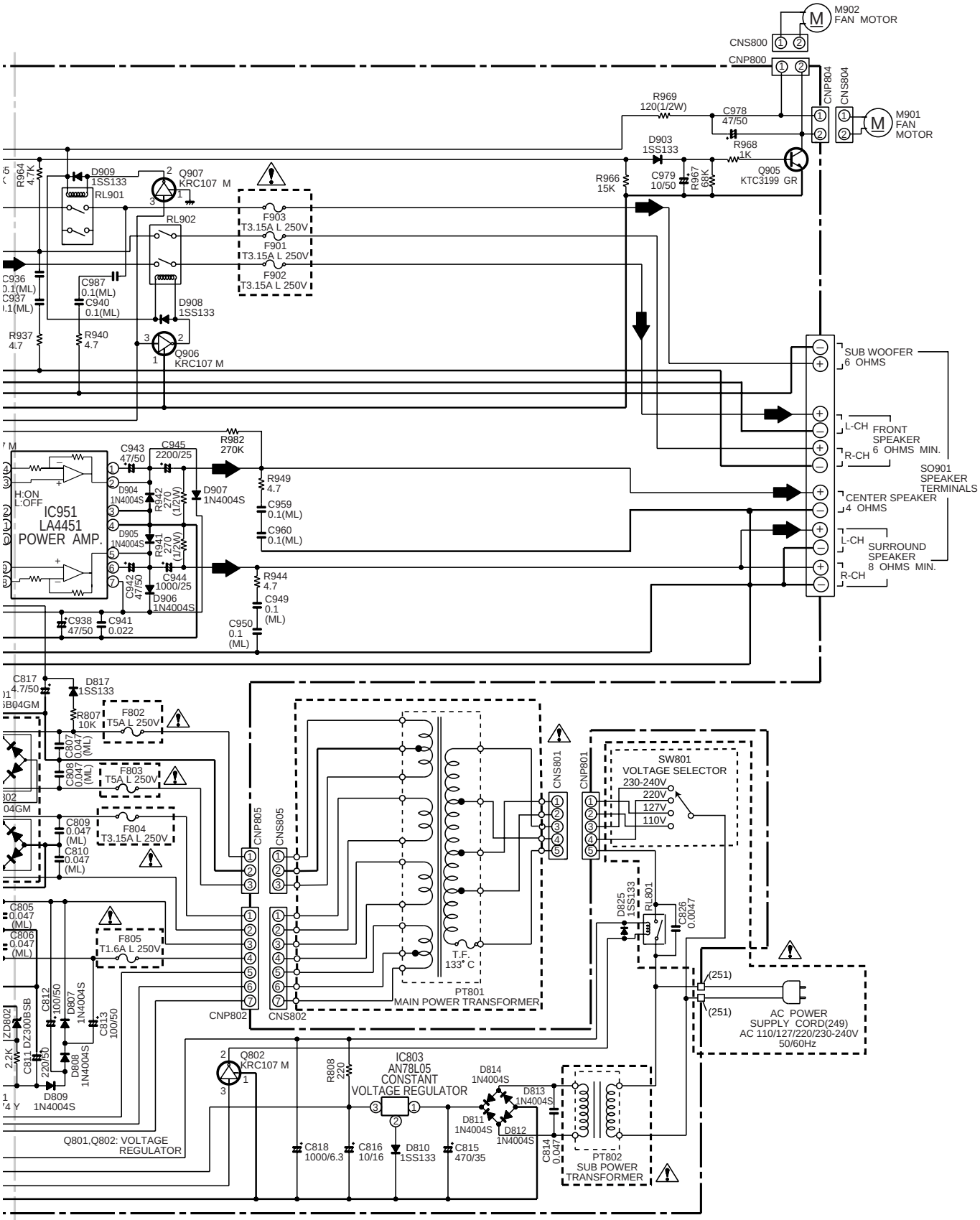
7	8	9	10	11	12

Figure 23 SCHEMATIC DIAGRAM (6/12)



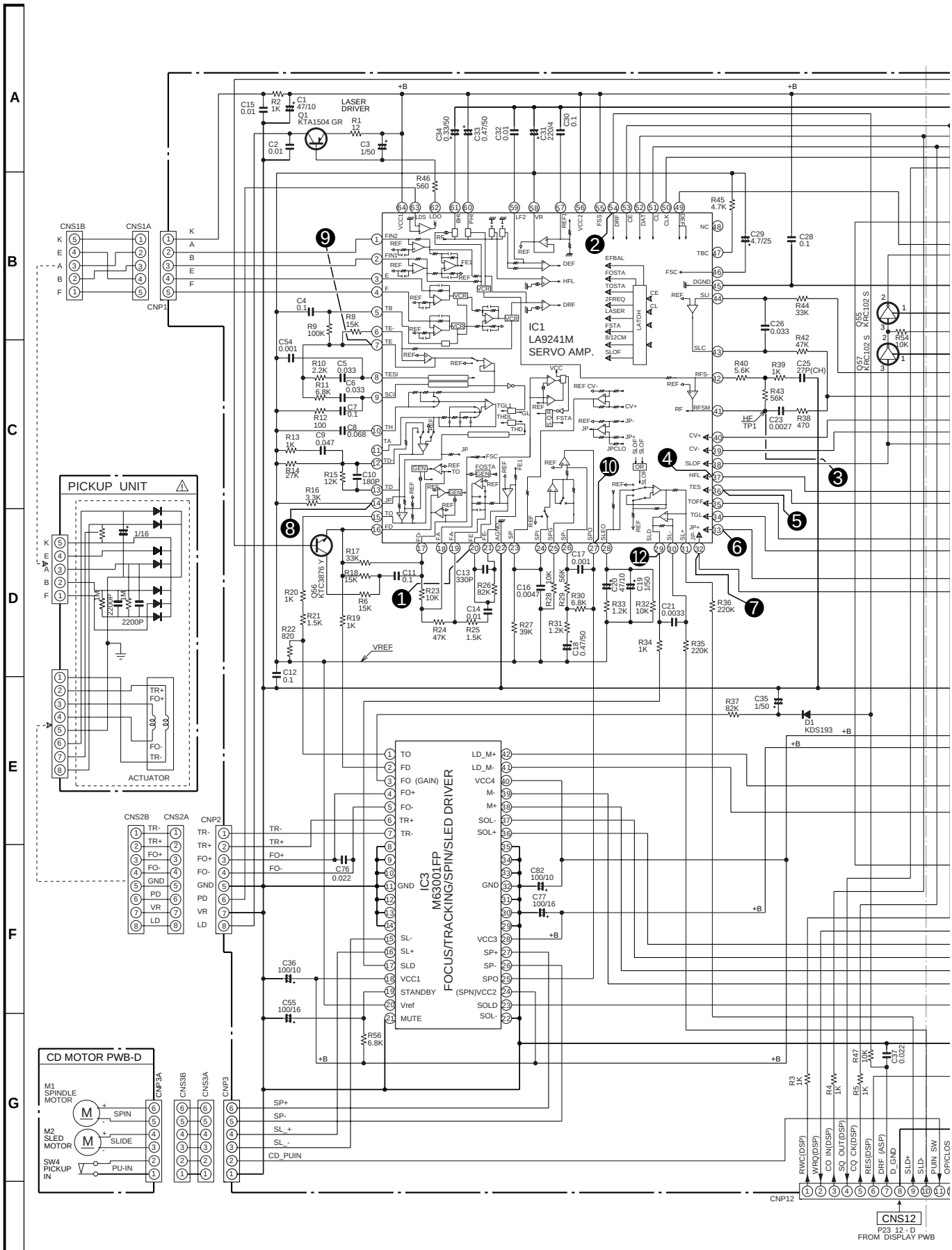
• NOTES ON SCHEMATIC DIAGRAM can be found on page 38.

Figure 24 SCHEMATIC DIAGRAM (7/12)



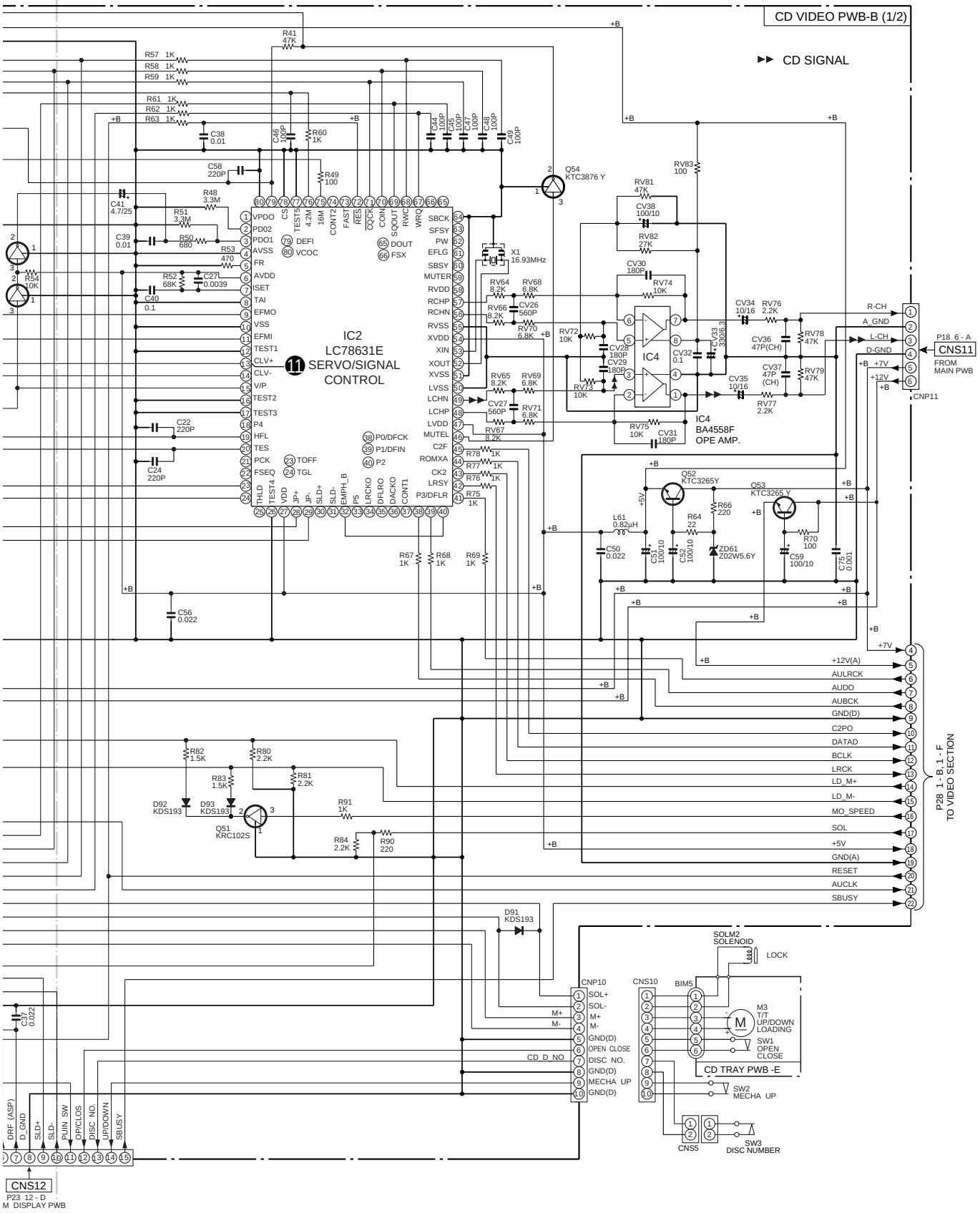
7	8	9	10	11	12

Figure 25 SCHEMATIC DIAGRAM (8/12)



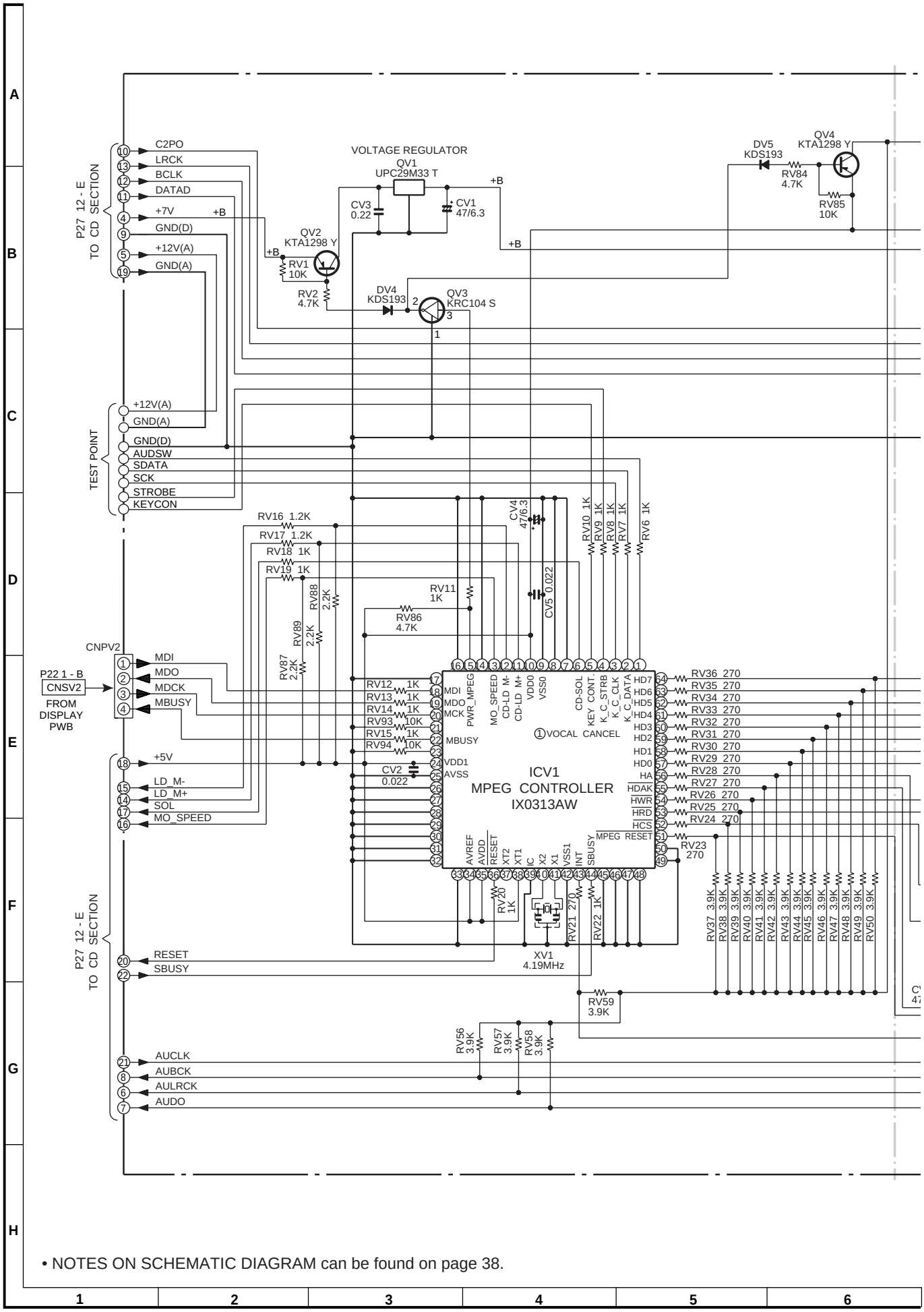
- The numbers ❶ to ⑫ are waveform numbers shown in page 39.
- NOTES ON SCHEMATIC DIAGRAM can be found on page 38.

Figure 26 SCHEMATIC DIAGRAM (9/12)



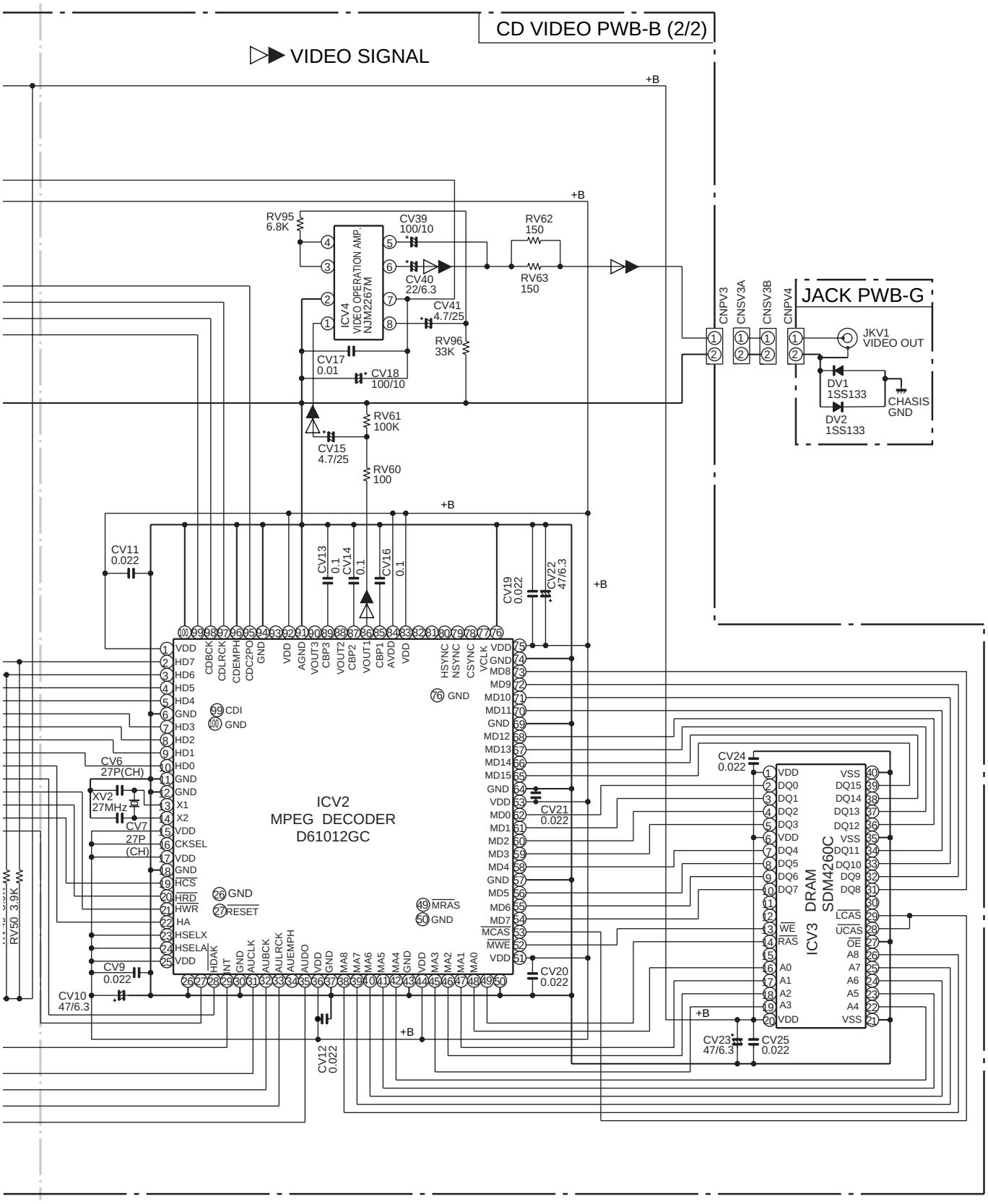
7	8	9	10	11	12

Figure 27 SCHEMATIC DIAGRAM (10/12)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 38.

Figure 28 SCHEMATIC DIAGRAM (11/12)



7	8	9	10	11	12

Figure 29 SCHEMATIC DIAGRAM (12/12)

VOLTAGE

IC1	
PIN NO.	VOLTAGE
1	2.5V
2	2.5V
3	2.5V
4	2.5V
5	2.5V
6	2.5V
7	2.5V
8	2.5V
9	2.5V
10	2.5V
11	2.5V
12	2.5V
13	2.5V
14	2.5V
15	2.5V
16	2.5V
17	2.5V
18	2.5V
19	2.5V
20	2.5V
21	2.5V
22	0V
23	2.5V
24	2.5V
25	2.5V
26	2.5V
27	2.5V
28	2.5V
29	2.5V
30	2.3V
31	2.3V
32	0V
33	0V
34	5.0V
35	5.0V
36	0V
37	0V
38	5.0V
39	0V
40	0V
41	1.6V
42	2.4V
43	2.4V
44	2.4V
45	0V
46	2.5V
47	2.5V
48	0V
49	0V
50	2.4V
51	4.6V
52	4.6V
53	0V
54	0V
55	5.0V
56	5.0V
57	2.5V
58	2.5V
59	1.0V
60	1.0V
61	2.2V
62	4.2V
63	0V
64	5.0V

IC2	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	0V
5	1.9V
6	5.0V
7	0V
8	0V
9	2.5V
10	2.4V
11	0V
12	0V
13	0V
14	5.0V
15	0V
16	0V
17	5.0V
18	5.0V
19	0V
20	0V
21	2.5V
22	0V
23	5.0V
24	0V
25	0V
26	0V
27	0V
28	0V
29	0V
30	5.0V
31	2.5V
32	0V
33	0V
34	0V
35	5.0V
36	4.6V
37	1.9V
38	0V
39	0V
40	1.9V
41	4.6V
42	5.0V
43	5.0V
44	2.1V
45	2.1V
46	0V
47	0.1V
48	2.3V
49	0V
50	2.5V
51	0V
52	2.5V
53	0V
54	0V
55	0V
56	4.6V
57	4.6V
58	4.7V
59	0V
60	2.3V
61	2.3V
62	0V
63	0V
64	0V

IC3	
PIN NO.	VOLTAGE
1	2.5V
2	2.6V
3	2.9V
4	3.3V
5	3.3V
6	3.3V
7	3.3V
8	0V
9	0V
10	0V
11	0V
12	0V
13	0V
14	0V
15	3.3V
16	3.3V
17	3.0V
18	7.2V
19	5.0V
20	2.5V
21	0V
22	0V
23	0V
24	7.2V
25	2.5V
26	3.3V
27	3.3V
28	11.2V
29	0V
30	0V
31	0V
32	0V
33	0V
34	0V
35	0V
36	5.3V
37	5.3V
38	3.3V
39	3.3V
40	7.2V
41	0.1V
42	0.1V

IC301	
PIN NO.	VOLTAGE
1	0.9V (0V)
2	1.6V (0V)
3	6.0V (0.4V)
4	1.6V (0V)
5	0V (0V)
6	6.0V (0.3V)
7	5.2V (0.2V)
8	5.9V (0.3V)
9	6.0V (0.3V)

IC650	
PIN NO.	VOLTAGE
1	0.12V
2	0.1V
3	0.13V
4	–11.2V
5	0.1V
6	0.1V
7	0.1V
8	6.2V

IC651	
PIN NO.	VOLTAGE
1	0.2V
2	0.2V
3	0.2V
4	–9.8V
5	0.2V
6	0.2V
7	0.2V
8	6.2V

IC702	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0.2V
4	0V
5	9.8V
6	9.8V
7	9.8V
8	9.9V
9	9.8V
10	9.8V
11	9.8V
12	0.5V
13	0.5V
14	0.5V
15	9.8V
16	9.8V
17	0V
18	5.0V

IC703	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0.2V
4	0V
5	9.8V
6	9.8V
7	9.8V
8	9.9V
9	9.8V
10	9.8V
11	9.8V
12	0.5V
13	0.5V
14	0.5V
15	9.8V
16	9.8V
17	0V
18	5.0V

IC302	
PIN NO.	VOLTAGE
1	2.5V (2.5V)
2	0V (0V)
3	0V (0V)
4	0V (0V)
5	4.5V (4.5V)
6	4.5V (4.5V)
7	0.2V (11.9V)
8	0V (0V)
9	0V (0V)
10	0V (0V)
11	5.1V (5.1V)
12	0V (0V)
13	0V (0V)
14	0V (0V)
15	0V (2.5V)
16	2.5V (0V)
17	5.1V (5.1V)
18	0.9V (0.9V)
19	0.9V (0.9V)
20	1.3V (1.1V)
21	0V (0V)
22	2.5V (2.5V)

IC401	
PIN NO.	VOLTAGE
1	5.0V
2	5.0V
3	4.9V
4	4.8V
5	5.0V
6	4.9V
7	4.8V
8	5.0V
9	4.8V
10	4.8V
11	5.0V
12	4.9V
13	4.8V
14	5.0V
15	4.9V
16	5.0V
17	5.0V
18	4.9V
19	5.0V
20	5.0V
21	5.0V
22	5.0V
23	4.0V
24	-0.1V
25	-0.1V
26	0V
27	5.0V
28	5.0V
29	5.0V
30	4.9V
31	5.0V
32	5.0V
33	4.9V
34	5.0V
35	4.8V
36	4.9V
37	5.0V
38	4.8V
39	4.9V
40	5.0V
41	4.8V
42	4.9V
43	5.0V
44	4.8V
45	4.9V
46	5.0V
47	5.0V
48	4.9V
49	5.0V
50	5.0V
51	5.0V
52	5.0V
53	5.0V
54	5.0V
55	5.0V
56	10.0V
57	5.0V
58	5.0V
59	5.0V
60	5.0V
61	5.0V
62	5.0V
63	5.0V
64	4.9V

IC303	
PIN NO.	VOLTAGE
1	1.6V (1.6V)
2	1.6V (1.6V)
3	7.1V (8.1V)
4	0.2V (0.6V)
5	1.6V (1.6V)
6	0V (0V)
7	5.1V (5.1V)
8	0V (0V)
9	2.3V (2.3V)
10	2.3V (2.3V)
11	6.4V (8.1V)
12	0.9V (0.9V)
13	1.1V (2.1V)
14	1.8V (1.6V)
15	2.2V (1.3V)
16	1.7V (1.7V)
17	1.6V (1.7V)
18	1.6V (1.6V)
19	0.4V (0.5V)
20	7.1V (8.1V)
21	7.1V (8.1V)
22	1.7V (1.7V)
23	1.7V (1.7V)
24	1.7V (1.7V)

IC501	
PIN NO.	VOLTAGE
1	4.7V
2	4.7V
3	4.7V
4	4.7V
5	4.7V
6	4.7V
7	4.7V
8	9.4V
9	4.7V
10	4.7V
11	4.7V
12	4.7V
13	4.7V
14	4.7V
15	4.7V
16	4.7V
17	0V
18	9.4V
19	2.5V
20	0.6V
21	-0.1V
22	4.7V
23	4.7V
24	4.7V
25	4.7V
26	4.7V
27	4.7V
28	4.7V
29	4.7V
30	4.7V
31	5.0V
32	2.3V
33	-0.1V
34	4.0V
35	-0.1V
36	3.6V
37	-0.1V
38	4.0V
39	0V
40	4.7V
41	4.8V
42	0V
43	4.7V
44	4.7V
45	4.7V
46	4.7V
47	4.7V
48	4.7V
49	4.7V
50	4.7V
51	5.4V
52	4.7V
53	5.4V
54	4.6V
55	4.6V
56	4.6V
57	3.7V
58	3.5V
59	3.4V
60	5.4V
61	4.8V
62	5.4V
63	4.7V
64	4.7V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.7V	51	4.7V
2	4.7V	52	0V
3	4.6V	53	0V
4	0V	54	4.7V
5	0V	55	0V
6	0V	56	0V
7	0V	57	4.6V
8	0V	58	4.6V
9	0V	59	4.6V
10	4.7V	60	4.6V
11	2.2V	61	0V
12	2.0V	62	4.7V
13	0V	63	4.7V
14	4.6V	64	5.0V
15	0V	65	4.9V
16	4.7V	66	–27.0V
17	0V	67	–27.0V
18	4.7V	68	–27.0V
19	0V	69	–27.0V
20	4.7V	70	–27.0V
21	4.7V	71	–27.0V
22	0V	72	–27.0V
23	0V	73	0V
24	0V	74	0V
25	0V	75	-26.0V
26	0V	76	–22.0V
27	0V	77	–24.0V
28	0V	78	0V
29	0V	79	–27.0V
30	0.9V	80	–24.0V
31	4.9V	81	–24.0V
32	4.9V	82	–24.0V
33	4.9V	83	0V
34	4.7V	84	0V
35	4.9V	85	–21.0V
36	4.6V	86	0V
37	4.6V	87	0V
38	4.9V	88	0V
39	4.9V	89	0V
40	0V	90	–24.0V
41	0V	91	0V
42	4.6V	92	–24.0V
43	3.5V	93	0V
44	11.9V	94	–24.0V
45	11.9V	95	0V
46	4.4V	96	–24.0V
47	4.6V	97	–24.0V
48	0V	98	–24.0V
49	4.6V	99	–24.0V
50	0V	100	–24.0V

ICV1			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	0V	33	0V
2	0V	34	5.0V
3	5.0V	35	5.0V
4	0V	36	5.0V
5	5.0V	37	0V
6	1.5V	38	5.0V
7	0V	39	0V
8	0V	40	0V
9	0V	41	3.0V
10	5.0V	42	0V
11	0.1V	43	0V
12	0V	44	5.0V
13	0.1V	45	0V
14	0V	46	0V
15	5.0V	47	0V
16	0V	48	0V
17	0V	49	0V
18	0V	50	0V
19	0V	51	5.0V
20	0.5V	52	0V
21	0V	53	5.0V
22	0V	54	5.0V
23	0V	55	0.1V
24	5.0V	56	1.2V
25	0V	57	3.3V
26	0V	58	3.3V
27	0V	59	3.3V
28	0V	60	3.3V
29	0V	61	3.3V
30	0V	62	0V
31	0V	63	3.3V
32	0V	64	2.8V

ICV2			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	3.3V	51	3.3V
2	3.3V	52	3.3V
3	3.3V	53	2.5V
4	3.3V	54	0.5V
5	3.3V	55	0V
6	0V	56	0V
7	3.3V	57	0V
8	3.3V	58	0V
9	3.3V	59	0V
10	3.3V	60	0V
11	0V	61	0V
12	0V	62	0V
13	1.5V	63	3.3V
14	1.5V	64	0V
15	3.3V	65	3.3V
16	3.3V	66	0V
17	3.3V	67	0V
18	0V	68	0V
19	0.5V	69	0V
20	5.0V	70	0V
21	5.0V	71	0V
22	1.5V	72	0V
23	3.3V	73	0V
24	3.3V	74	0V
25	3.3V	75	3.3V
26	0V	76	0V
27	5.0V	77	1.5V
28	1.0V	78	0V
29	0V	79	0V
30	0V	80	0V
31	2.5V	81	3.3V
32	2.0V	82	3.3V
33	2.5V	83	3.3V
34	0V	84	3.3V
35	0V	85	1.0V
36	3.3V	86	1.5V
37	0V	87	0V
38	1.5V	88	0V
39	1.5V	89	0V
40	1.5V	90	0V
41	1.5V	91	0V
42	1.5V	92	3.3V
43	0V	93	0V
44	3.3V	94	0V
45	2.5V	95	5.0V
46	1.0V	96	0V
47	0.5V	97	2.5V
48	0.5V	98	2.5V
49	2.6V	99	1.5V
50	0V	100	0V

IC902	
PIN NO.	VOLTAGE
1	0V
2	0V
3	-27.5V
4	-27.5V
5	-27.5V
6	0V
7	0V
8	0V
9	0V
10	-25.8V
11	26.0V
12	-0.15V
13	-0.15V
14	-24.6V
15	-0.1V
16	-0.1V
17	-0.1V
18	-0.1V
19	-27.5V
20	0V

IC4	
PIN NO.	VOLTAGE
1	2.6V
2	2.6V
3	2.6V
4	0V
5	2.4V
6	2.4V
7	2.6V
8	5.0V

FE301	
PIN NO.	VOLTAGE
1	0V (0V)
2	0V (0V)
3	2.6V (0V)
4	2V (1.1V)
5	8.5V (0V)
6	0V (0V)
7	0V (0V)
8	0V (0V)

IC101	
PIN NO.	VOLTAGE
1	0V (0V)
2	0V (0V)
3	0.5V (0.5V)
4	4.3V (4.3V)
5	0.2V (0.3V)
6	1.3V (1.3V)
7	0V (0V)
8	0.6V (0.6V)
9	4.1V (4.1V)
10	4.0V (4.0V)
11	0V (0V)
12	0V (0V)
13	8.1V (8.1V)
14	4.8V (4.8V)
15	0V (0V)
16	4.1V (4.1V)
17	0.6V (0.6V)
18	0V (0V)
19	2.5V (2.6V)
20	0.2V (0.3V)
21	4.3V (4.3V)
22	0.5V (0.5V)
23	0V (0V)
24	0V (0V)

IC471	
PIN NO.	VOLTAGE
1	5.6V
2	5.6V
3	5.5V
4	0V
5	5.6V
6	5.6V
7	5.6V
8	11.1V

IC601	
PIN NO.	VOLTAGE
1	5.6V
2	5.6V
3	5.5V
4	0V
5	5.5V
6	5.6V
7	5.6V
8	11.1V

ICV3	
PIN NO.	VOLTAGE
1	5.0V
2	0V
3	0V
4	0V
5	0V
6	5.0V
7	0V
8	0V
9	0V
10	0.5V
11	0V
12	0V
13	3.3V
14	2.6V
15	0V
16	0.5V
17	0.5V
18	1.0V
19	2.7V
20	5.0V
21	0V
22	1.5V
23	1.5V
24	1.5V
25	1.5V
26	1.5V
27	0V
28	2.5V
29	2.5V
30	0V
31	0V
32	0V
33	0V
34	0V
35	0V
36	0V
37	0V
38	0V
39	0.5V
40	0V

QV1	
PIN NO.	VOLTAGE
1	6.8V
2	0V
3	3.3V

ICV4	
PIN NO.	VOLTAGE
1	2.0V
2	0V
3	2.0V
4	2.0V
5	2.2V
6	2.2V
7	5.0V
8	2.2V

IC803	
PIN NO.	VOLTAGE
1	7.1V
2	0.6V
3	5.5V

IC804	
PIN NO.	VOLTAGE
1	17.0V
2	0V
3	12.0V

IC805	
PIN NO.	VOLTAGE
1	17.0V
2	1.3V
3	7.3V

IC806	
PIN NO.	VOLTAGE
1	12.0V
2	1.3V
3	4.9V

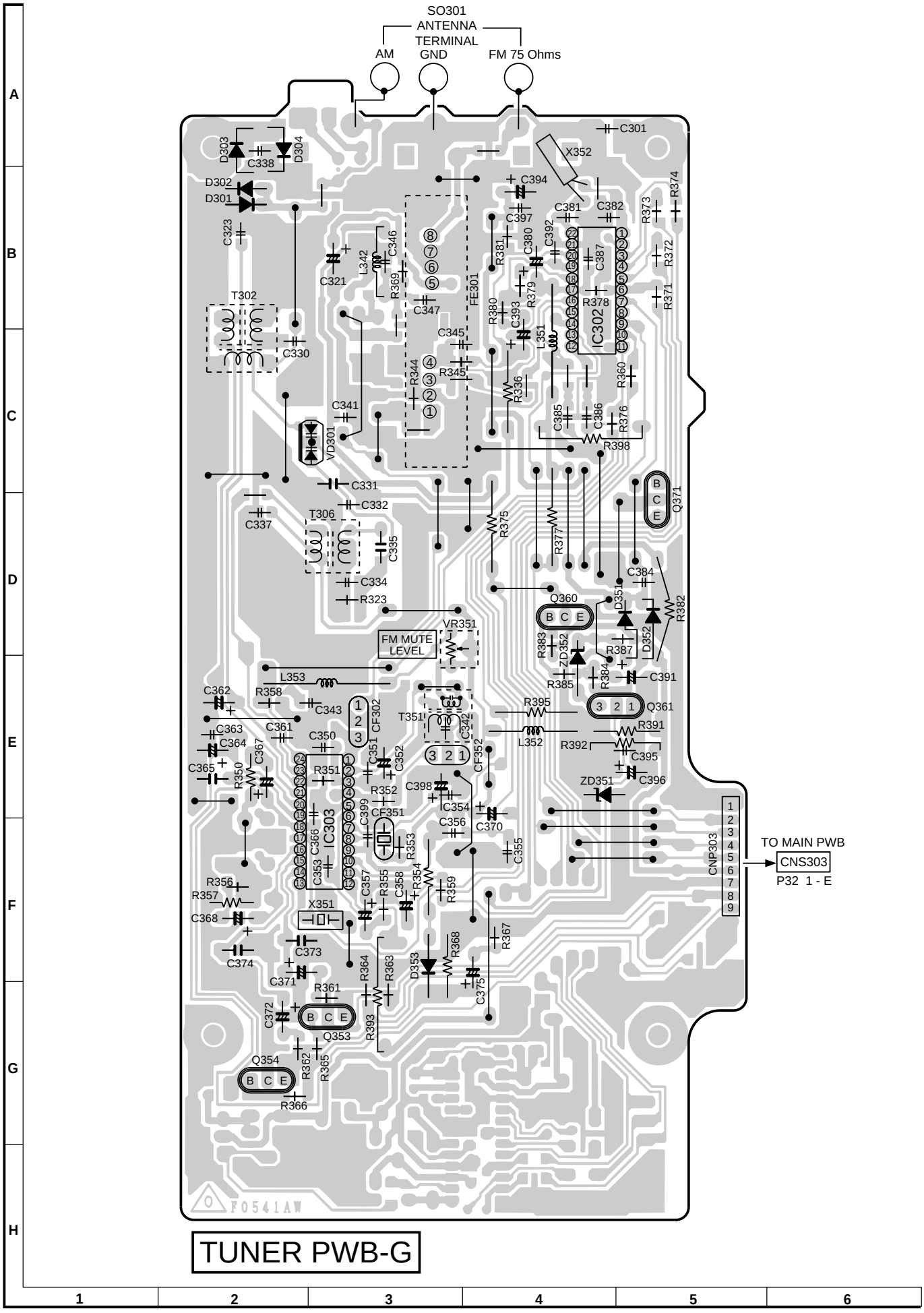


Figure 31 WIRING SIDE OF P.W.BOARD (1/7)

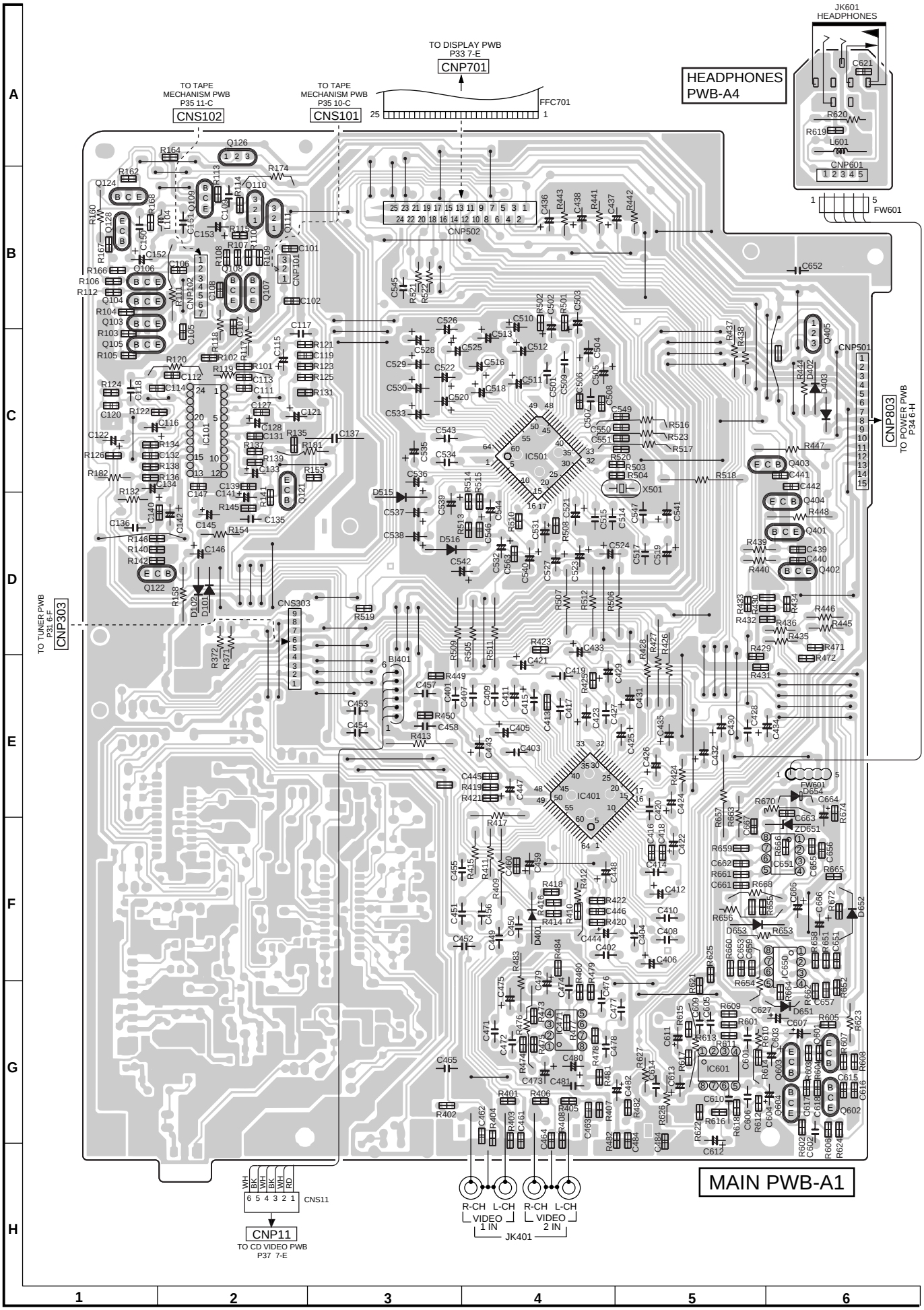
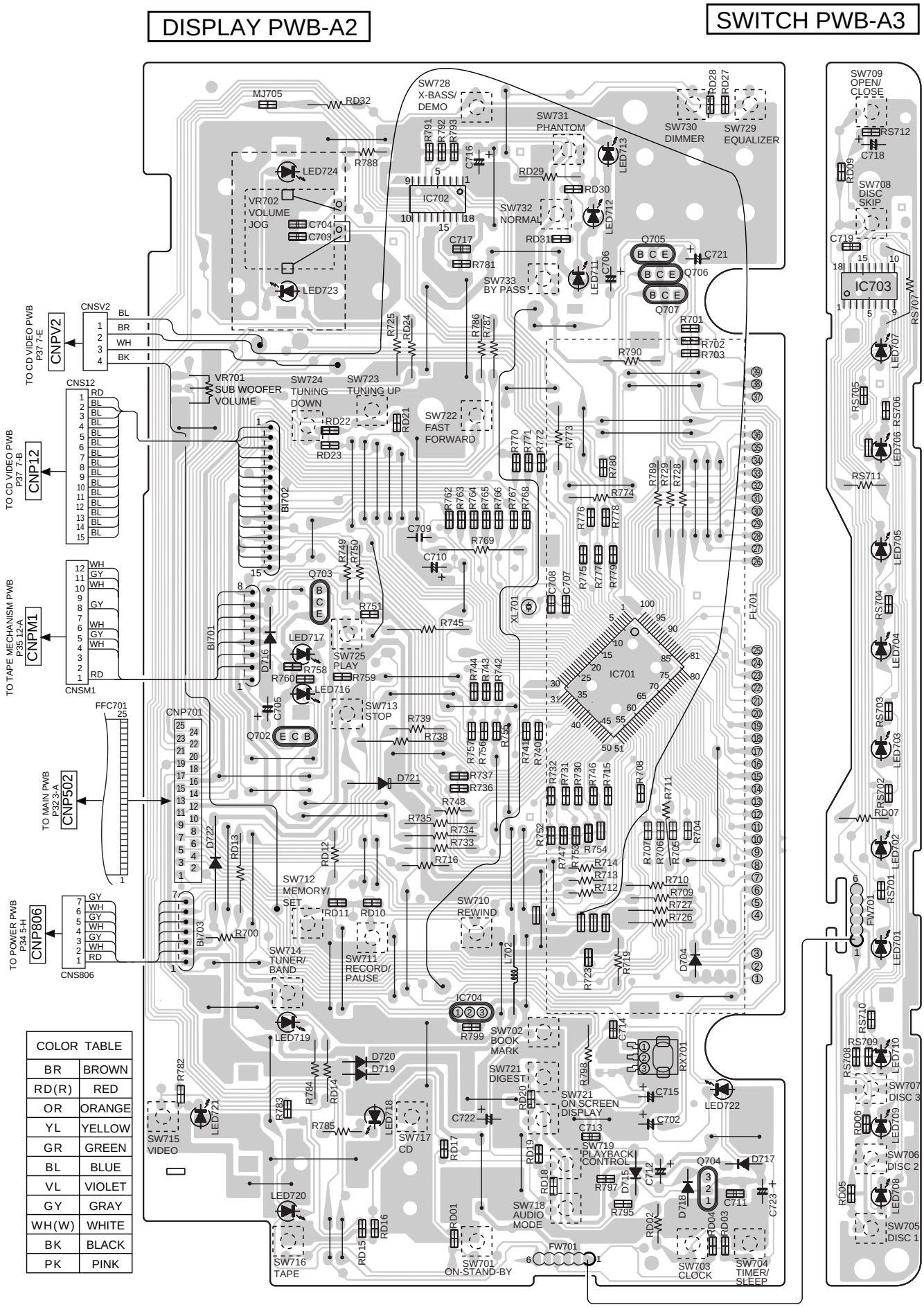


Figure 32 WIRING SIDE OF P.W.BOARD (2/7)



7	8	9	10	11	12

Figure 33 WIRING SIDE OF P.W.BOARD (3/7)

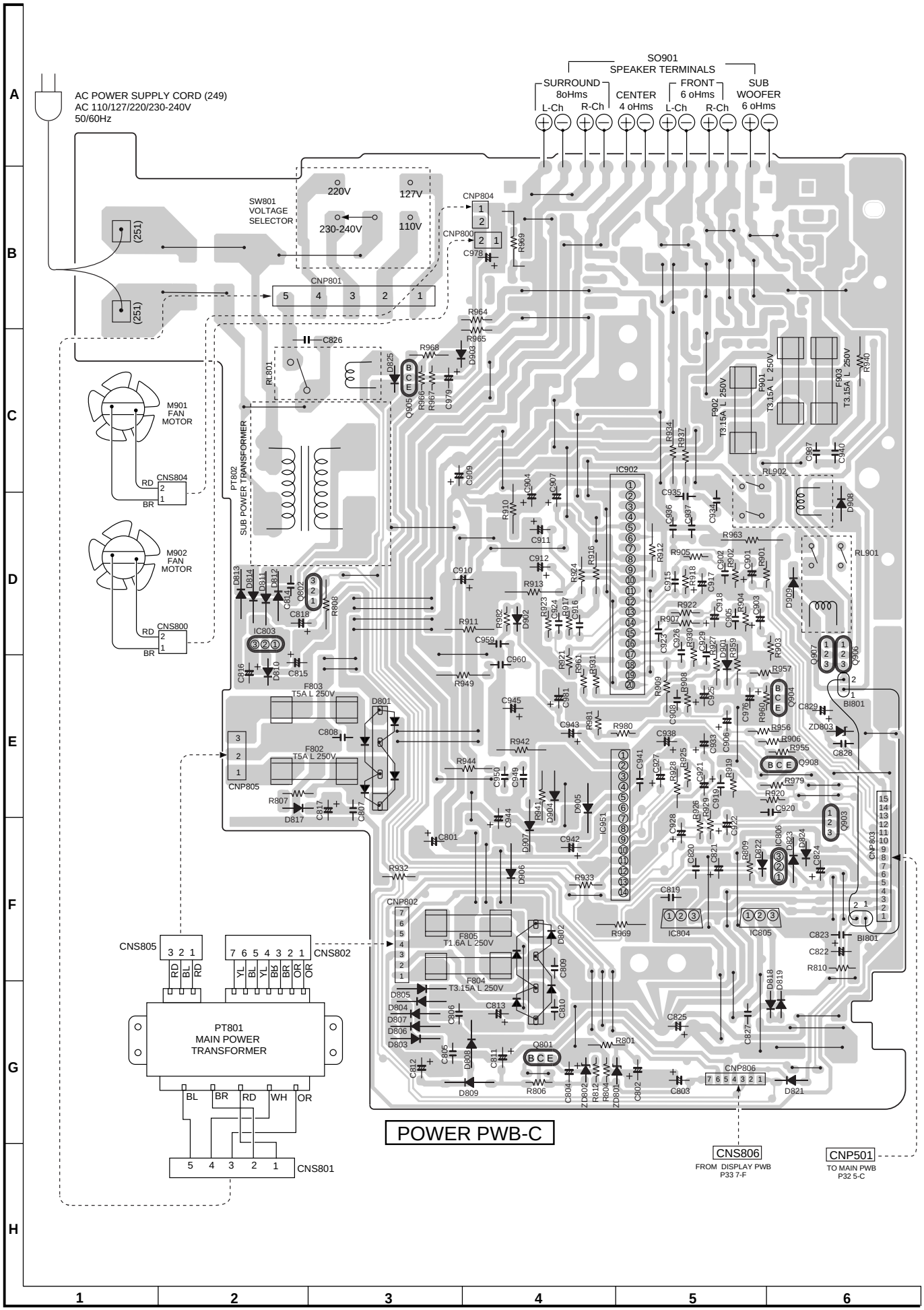
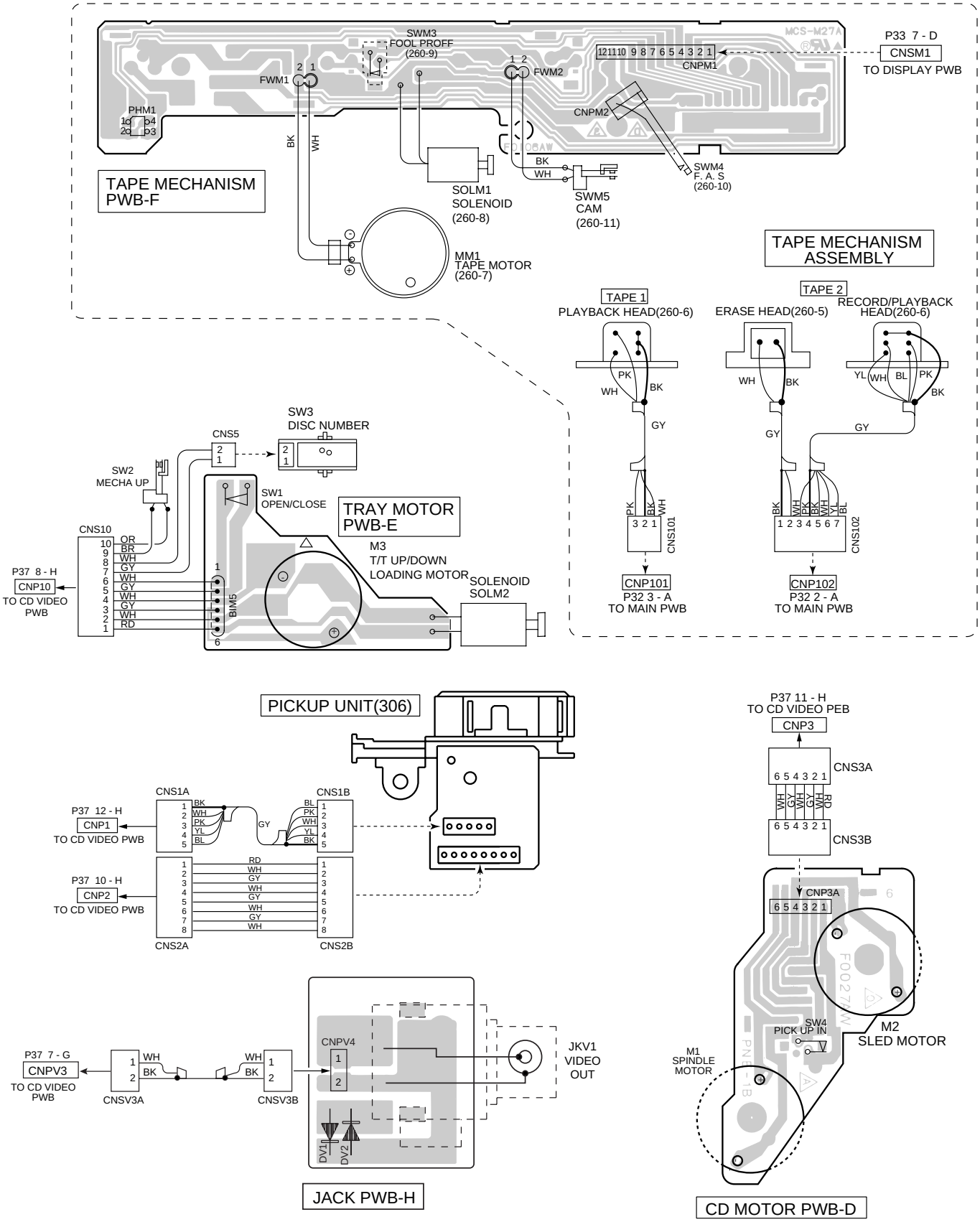


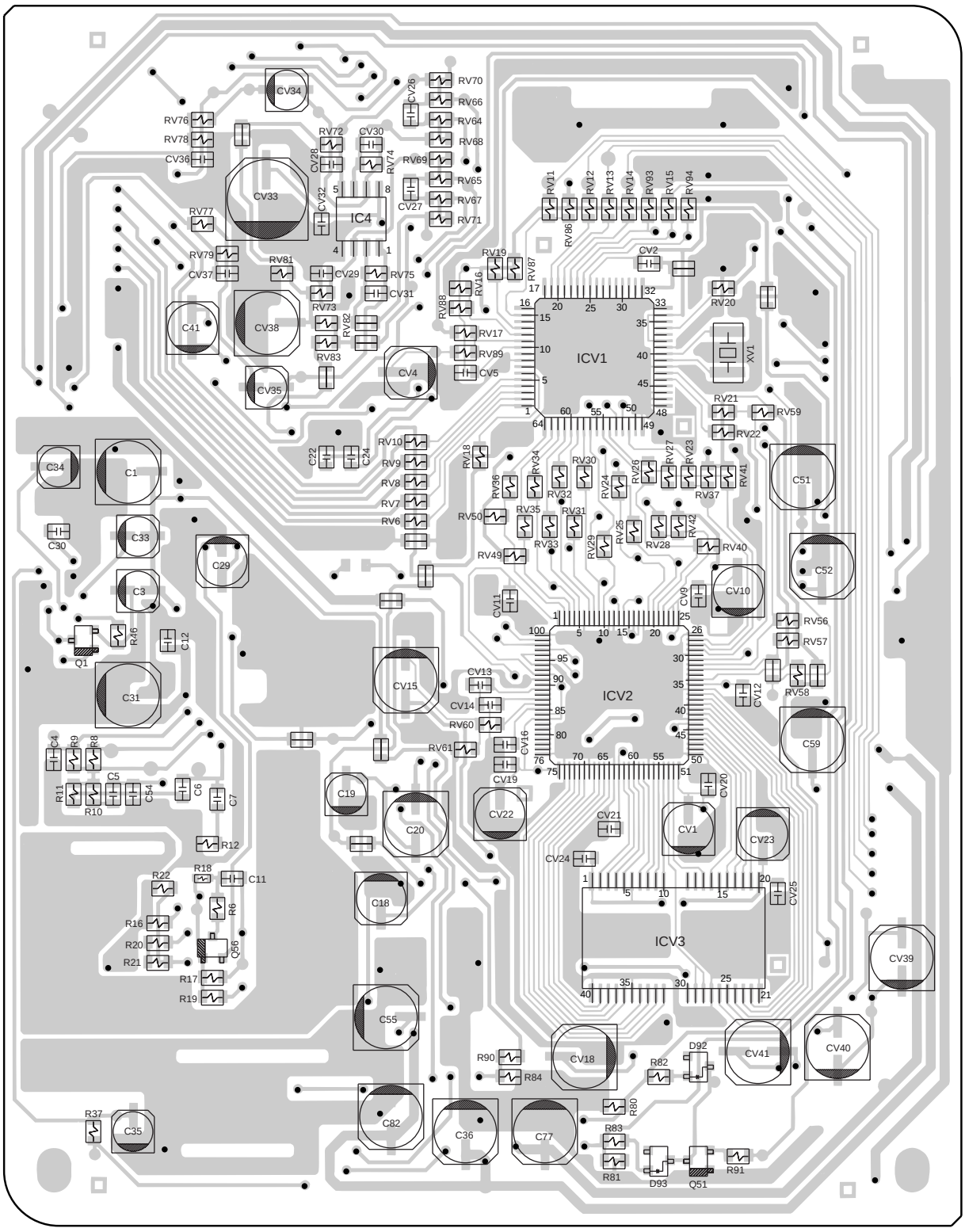
Figure 34 WIRING SIDE OF P.W.BOARD (4/7)



COLOR TABLE	BR	RD(R)	OR	YL	GR	BL	VL	GY	WH(W)	BK	PK
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK	PINK

Figure 35 WIRING SIDE OF P.W.BOARD (5/7)

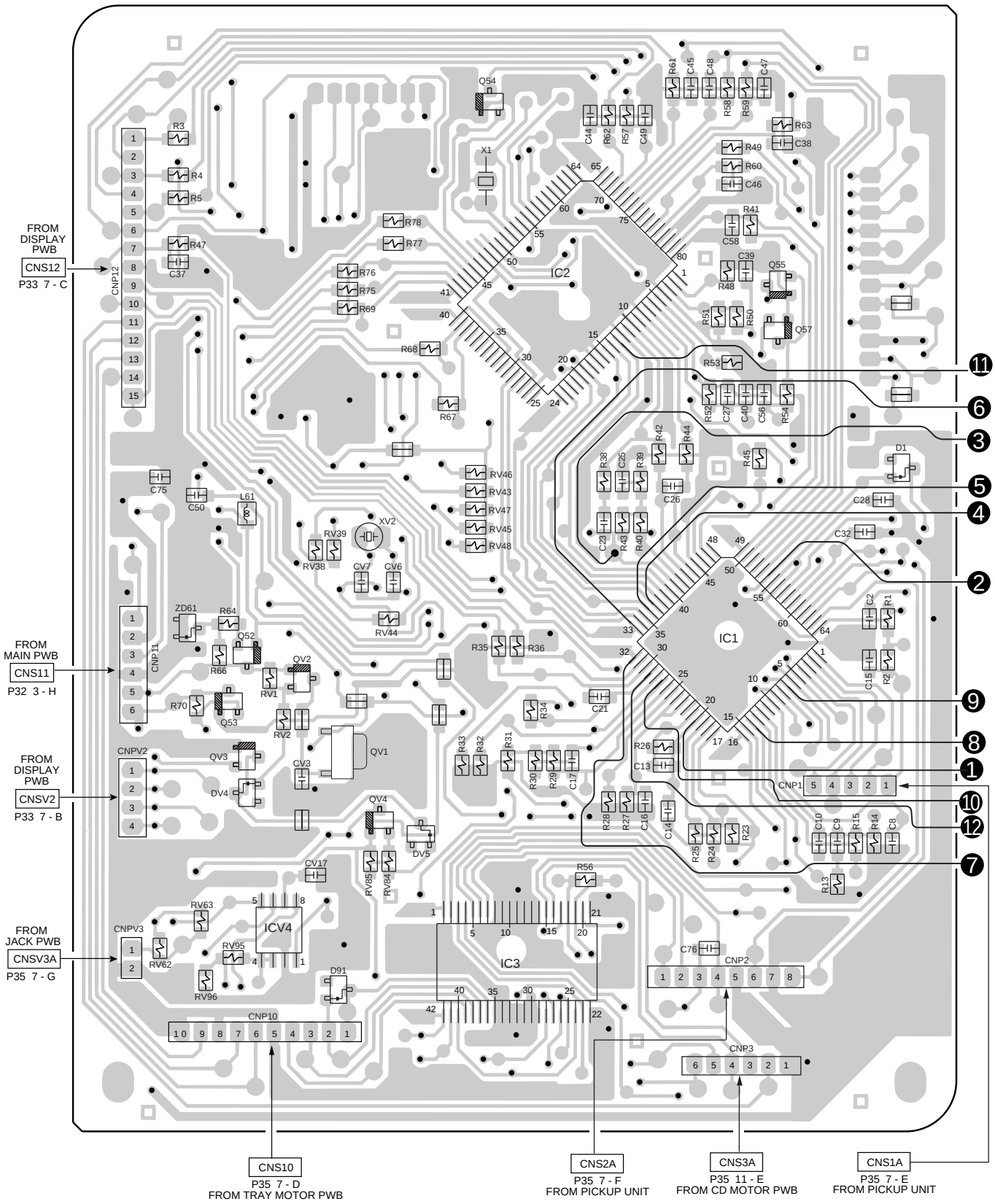
CD VIDEO PWB-B (TOP VIEW)



● : Through-hole where the top and bottom patterns are connected.

Figure 36 WIRING SIDE OF P.W.BOARD (6/7)

CD VIDEO PWB-B (BOTTOM VIEW)



• The numbers 1 to 12 are waveform numbers shown in page 39.

7	8	9	10	11	12

Figure 37 WIRING SIDE OF P.W.BOARD (7/7)

NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     ( ) indicates AM
     < > indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ ” (⊏ ニ ニ ニ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
SW1	OPEN/CLOSE	ON—OFF
SW2	MECHA UP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW701	ON/STAND-BY	ON—OFF
SW702	BOOK MARK	ON—OFF
SW703	CLOCK	ON—OFF
SW704	TIMER/SLEEP	ON—OFF
SW705	DISC 1	ON—OFF
SW706	DISC 2	ON—OFF
SW707	DISC 3	ON—OFF
SW708	DISC SKIP	ON—OFF
SW709	OPEN/CLOSE	ON—OFF
SW710	REWIND	ON—OFF
SW711	RECORD/PAUSE	ON—OFF
SW712	MEMORY/SET	ON—OFF
SW713	STOP	ON—OFF
SW714	TUNER/BAND	ON—OFF
SW715	VIDEO	ON—OFF
SW716	TAPE	ON—OFF
SW717	CD	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW718	AUDIO MODE	ON—OFF
SW719	PLAYBACK CONTROL	ON—OFF
SW720	ON SCREEN DISPLAY	ON—OFF
SW721	DIGEST	ON—OFF
SW722	FAST FORWARD	ON—OFF
SW723	TUNING UP	ON—OFF
SW724	TUNING DOWN	ON—OFF
SW725	PLAY	ON—OFF
SW728	X-BASS/DEMO	ON—OFF
SW729	EQUALIZER	ON—OFF
SW730	DIMMER	ON—OFF
SW731	PHANTOM	ON—OFF
SW732	NORMAL	ON—OFF
SW733	BYPASS	ON—OFF
SW801	VOLTAGE SELECTOR	110—127—220—230-240
SWM 3	FOOL PROOF	ON—OFF
SWM 4	F.A.S.	ON—OFF
SWM 5	CAM	ON—OFF
VR702	VOLUME JOG	ON—OFF

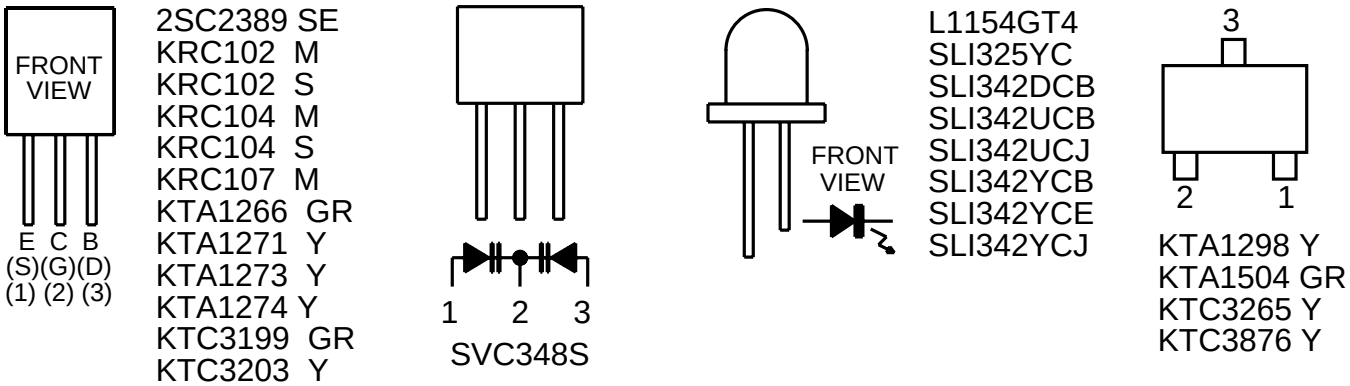


Figure 38 TYPES OF TRANSISTOR AND LED

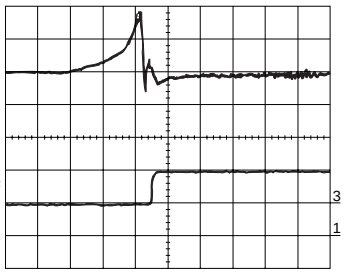
WAVEFORMS OF CD CIRCUIT

STOP → PLAY

FOCUS — SERCH

1 5ms 0.50 V IC1 (20) F.E

2 5ms 5.0 V IC1 (54) DRF

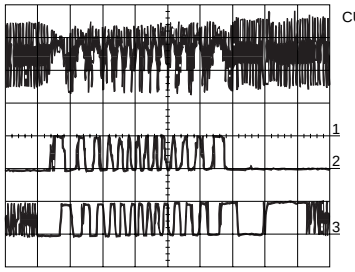


CUE

3 0.5ms 1.00 V HF

4 0.5ms 5.0 V HFL

5 0.5ms 5.0 V TES

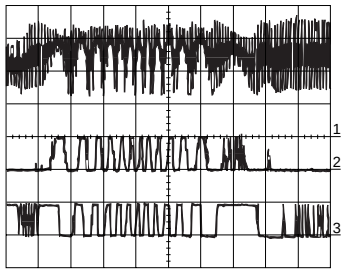


REVIEW

3 0.5ms 1.00 V HF

4 0.5ms 5.0 V HFL

5 0.5ms 5.0 V TES



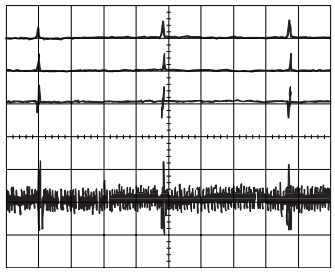
CUE

6 50ms 10.0 V JP+

7 50ms 10.0 V JP-

8 50ms 0.50 V JP

9 50ms 1.00 V TE

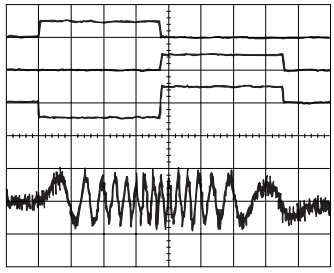


6 0.5ms 10.0 V JP+

7 0.5ms 10.0 V JP-

8 0.5ms 0.50 V JP

9 0.5ms 1.00 V TE



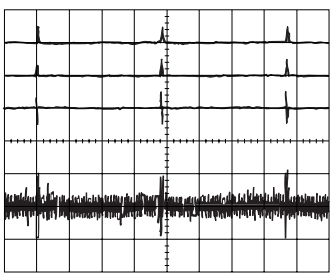
REVIEW

6 50ms 10.0 V JP+

7 50ms 10.0 V JP-

8 50ms 0.50 V JP

9 50ms 1.00 V TE

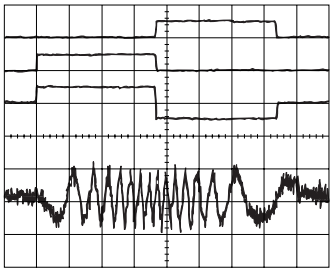


6 0.5ms 10.0 V JP+

7 0.5ms 10.0 V JP-

8 0.5ms 0.50 V JP

9 0.5ms 1.00 V TE



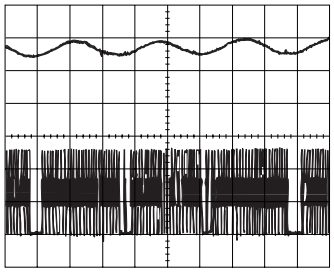
PLAY

NORMAL DISC

TN0=01

10 20ms 1.00 V SPO

11 20ms 2.00 V CLV+



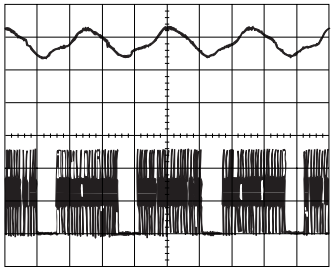
PLAY

TCD-712 (140mm)

TN0=01

10 50ms 1.00 V SPO

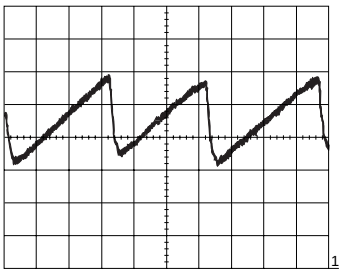
11 50ms 2.00 V CLV+



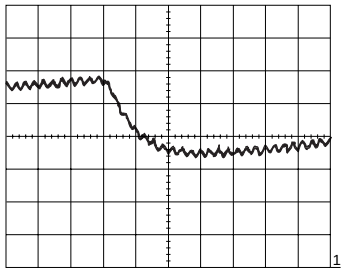
PLAY

TCD-712

12 5s 100mV SLD



12 0.5s 100mV SLD



TROUBLESHOOTING (CD SECTION)

When the CD does not function

When the CD section does not operate when the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken,check the following items.
Remove the cabinet and follow the troubleshooting instructions.
"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.
Do not touch the lens with the bare hand.

Dust gradually accumulates on the objective lens during use, and it may degrade performance.
To avoid this problem, use a cleaning disc designed for CD optical pickup lenses.

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has ▲ the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continues to turn, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30 - 50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD player or on computer CD ROM drives.

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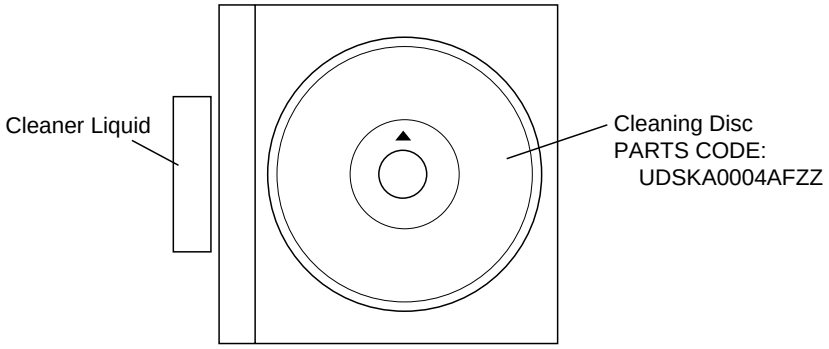
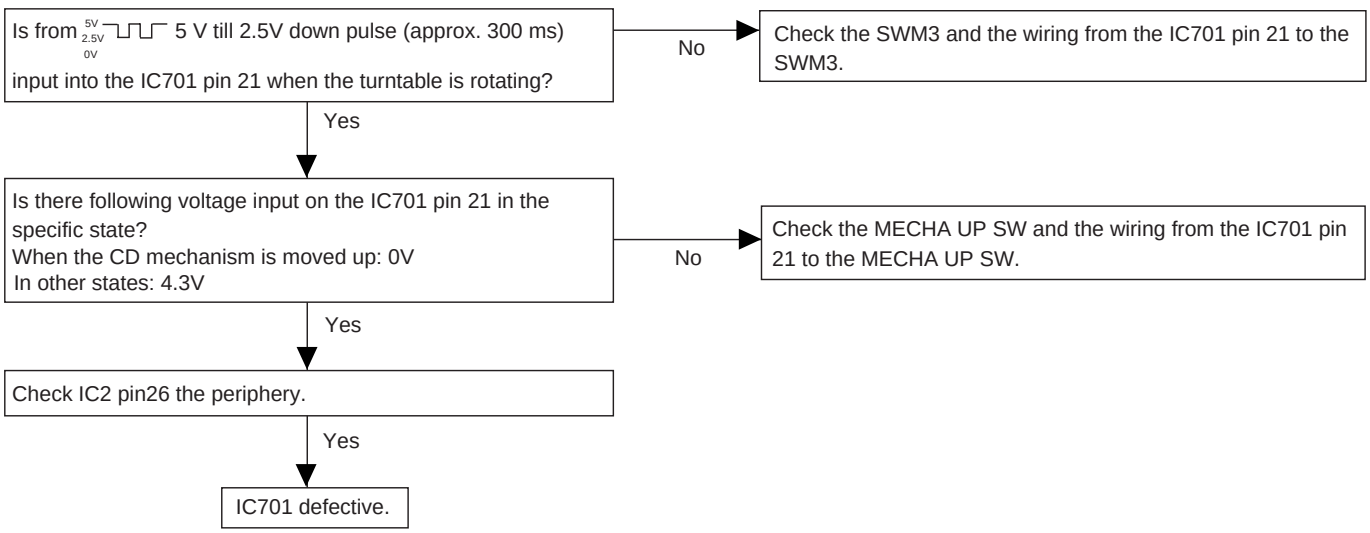


Figure 38

• When the turntable fails to stop.


Is from 5V 2.5V 0V 5 V till 2.5V down pulse (approx. 300 ms) input into the IC701 pin 21 when the turntable is rotating?
No
Check the SWM3 and the wiring from the IC701 pin 21 to the SWM3.
Yes
Is there following voltage input on the IC701 pin 21 in the specific state?
When the CD mechanism is moved up: 0V
In other states: 4.3V
No
Check the MECHA UP SW and the wiring from the IC701 pin 21 to the MECHA UP SW.
Yes
Check IC2 pin26 the periphery.
Yes
IC701 defective.

• When turntable fails to move.

Is there following voltage input on the IC701 pin 21 in the specific state?
When the CD mechanism is moved up: 0V
In other states: 4.3V

No → Check the MECHA UP SW and the wiring from the IC701 pin 21 to the MECHA UP SW.

Yes ↓

Is L output from the IC2 pin 26 during SEC when the disc skip switch is pressed?

No → Check the wiring of IC2 pin 26.

OK ↓

IC2 defective.

Yes ↓

Check turntable motor and turntable mechanism.

• When the CD tray fails to open or close.

Is there following voltage input in specific state of IC701 pin 19?
Open state: 0V
Close state: 0V
Intermediate state between open state and close state: 4.3V

No → Check the OPEN CLOSE SW and the wiring from the IC701 pin 19 to the OPEN CLOSE SW.

Yes ↓

Is H output to IC2 pin 24 or 25 for 7 seconds when the OPEN/CLOSE key is pressed?IC91 is defective. Replace it.

No → Check the wiring of the IC2 pins 24 and 25.

OK ↓

IC2 defective.

Yes ↓

Check the loading motor (M1) and the loading mechanism.

• The CD function will not work.

The CD operating keys don't work.

Yes ↓

Check the CD, DSP, power supply, and 16.93 MHz clock, and reset terminal.

Yes ↓

Check the waveform of SCK, SO (DATA) and SI (COMM).

Yes ↓

See if the pick-up is in the PICKUP IN SW position.

Yes ↓

If the items mentioned above are OK, check the main microcomputer IC701.

• The CD operating keys work.

Check the Focus - HF system.

↓

Playback can be performed without a disc.

↓ Yes

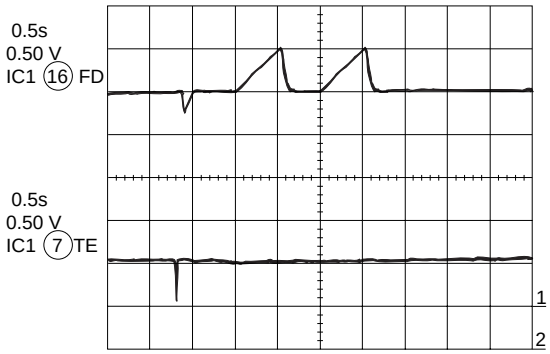
Does the pick-up move up and down twice? → Yes → Focus search OK

↓ No

Does the output waveform of IC1(16)(FD) match that shown in Fig. 42-1? → Yes → Check the area around IC3-CNP2.

↓ No

Check the IC1(50)(CLK) line, 4MHz.
Check the microcomputer data on pins (51)(CL), (52)(DAT) and (53)CE.



Focus search is performed two times when play operation is done without disc.

Figure 42-1

• Playback can only be performed when a disc is loaded.

Is the Focus servo active? (Can you hear it working?) → No → Check the laser diode driver. Check the area around IC1(16) - (21) (focus servo circuit).

↓ Yes

Does the DRF signal change from "L" to "H"? → No → If the disc is not turning, the DRF should not change to "H". → Yes → Check the spin system.

↓ Yes

Is HF waveform normal (see the Fig. 42-2, 3)? → No → Level is abnormal. → Yes → Check the periphery of IC1 pins 41 and 42.

↓ Yes

Check the tracking system.

No → Waveform is unstable. → Yes → Check the spin system.

HF
1.0V/DIV
0.5µsec/DIV(DC)
IC1 41
(When playing back the disc)

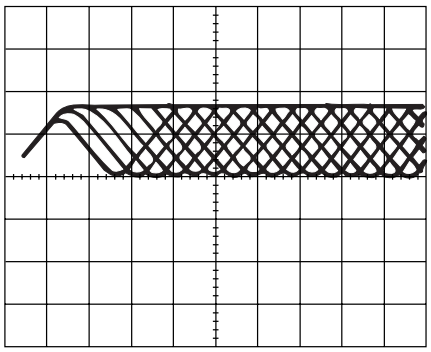
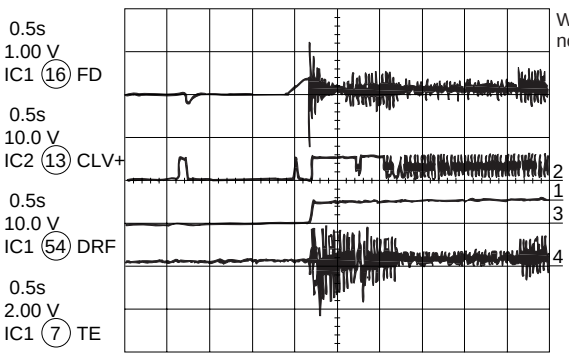


Figure 42-2



Waveform in case of normal play-back

Figure 42-3

• Check the tracking system.

Check waveform of IC1 pin 7 (TE).

- The waveform shown in Fig. 43-1 appears, and no-disc state appears soon. → Yes → Tracking servo is inoperative. → Yes → Check the periphery of IC 1 pin 8 to pin 15, and IC 3 to CNP2.
- Play is possible in TEST mode. → Yes → The unit will be initialized in Normal mode,but it will not playback. → Yes → Normal jump is impeded, and the program top cannot be reached. → Yes → Check the periphery of IC 1 pin 14.
- Data cannot be read. → Yes → Check the VCO-PLL system.

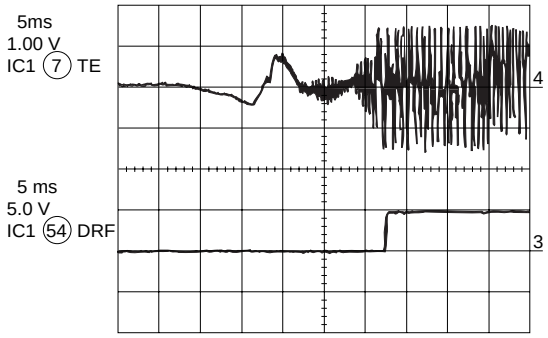


Figure 43-1

• Checking the spin system.

Play operation is performed without disc.

↓ Yes

The turntable rotates a little. → Yes → The spin driver circuit is normal.

↓ No

The turntable fails to rotate or rotates at high speed. → Yes → Check the periphery of IC1 pins 23 to 27, pin 39, and pin 40, IC2 pin 12 and pin 13, IC3 to CNP3.

• Checking the VCO-PLL system

Play operation is performed when disc exits.

↓ Yes

Although HF waveform is normal, TOC data cannot be read. → Yes → Check PDO waveform (Fig. 43-2).

↓ Abnormal

Check the IC1 pins 43 and 44, IC2 pins 3, 5, 7, 10, and 11.

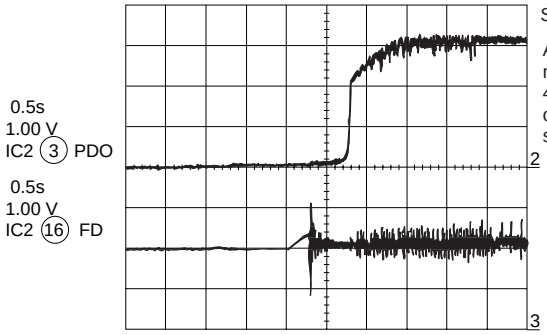


Figure 43-2

• Although HF waveform is normal and the time indication is normal, no sound is emitted.

Check IC 2 pin 48 (EFLG). → No → Usually, the number of pulses of flawless disc is 100 pulses/sec or less.

↓ Yes

Check IC2 pins 37, 40.

FUNCTION TABLE OF IC

IC1 VHiLA9241M/-1: Servo Amp. (LA9241M) (1/2)

Pin No.	Port Name	Function
1	FIN2	Connection pin for photodiode of pickup. RF signal is generated through addition with FIN pin, and FE signal is generated through subtraction.
2	FIN1	Connection pin for photodiode of pickup.
3	E	Connection pin for photodiode of pickup. TE signal is generated through subtraction with F pin.
4	F	Connection pin for photodiode of pickup.
5	TB	Pin for input of DC component of TE signal.
6	TE-	Pin to connect gain setting resistor of TE signal to TE signal.
7	TE	TE signal output pin.
8	TESI	TES (Track error sense) comparator input pin. TE signal is band-passed and input.
9	SCI	Input pin for shock detection.
10	TH	Pin to set time constant of tracking gain.
11*	TA	TA amplifier output pin.
12	TD-	Pin to compose tracking phase compensation constant between TD and VR pins.
13	TD	Pin to set tracking phase compensation.
14	JP	Pin to set amplitude of tracking jump signal (kick pulse).
15	TO	Tracking control signal output pin.
16	FD	Focusing control signal output pin.
17	FD-	Pin to compose focusing phase compensation constant between FD and FA pins.
18	FA	Pin to compose focusing phase compensation constant between FD-/FA-pins.
19	FA-	Pin to compose focusing phase compensation constant between FA and FE pins.
20	FE	Output pin of FE signal.
21	FE-	Pin to connect gain setting resistor of FE signal across TE pin.
22	AGND	GND for analog signal.
23	SP	No connect.
24	SPI	Spindle amplifier input.
25	SPG	Pin to connect gain setting resistor in the 12cm mode of spindle.
26	SP-	Pin to connect spindle phase compensation constant together with SPD pin.
27	SPO	Spindle control signal output pin.
28	SLEO	Pin to connect thread phase compensation constant.
29	SLD	Thread control signal output pin.
30	SL-	Input pin of thread feed signal from micro computer.
31	SL+	Input pin of thread feed signal from micro computer.
32	JP-	Input pin of tracking jump signal from DSP.
33	JP+	Input pin of tracking jump signal from DSP.
34	TGL	Input pin of tracking gain control signal from DSP. TGL = Gain low at "H"
35	TOFF	Input pin of tracking off control signal from DSP. TOFF = Off at "H"
36	TES	Output pin of TES signal to DSP.
37	HFL	(HIGH FREQUENCY LEVEL) is used to judge whether main beam is positioned on the bit or on the mirror.
38	SLOF	Thread servo off control input pin.
39	CV-	Pin to input CLV error signal from DSP.
40	CV+	Pin to input CLV error signal from DSP.
41	RFSM	RF output pin.
42	RFS-	Pin to set gain of RF and set 3T compensation constant together with RFSM pin.
43	SLC	(SLICE LEVEL CONTROL) is the output pin to control of the level of the data slice with RF waveform DSP.
44	SLI	Input pin to control the level of data slice with DSP.
45	DGND	GND pin in the digital system.
46	FSC	Output pin for focus search smoothening capacitor.
47	TBC	(Tracking Balance Control) Pin to set EF balance variable range.
48*	NC	No connect.
49	DEF	Defect detection output pin of disk.
50	CLK	Reference clock input pin. 4.23MHz of DSP is input.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC1 VHiLA9241M/-1:Servo Amp.(LA9241M) (2/2)

Pin No.	Port Name	Function
51	CL	Micro computer command clock input pin.
52	DAT	Micro computer command data input pin.
53	CE	Micro computer command chip enable input pin.
54	DRF	(DETECT RF) RF level detection output.
55	FSS	(Focus Serch Select) Pin to switch focus search mode. (± search/+ search for reference voltage)
56	VCC2	VCC pin for servo system and digital system.
57	REF1	Pin to connect pass control for reference voltage.
58	VR	Reference voltage output pin.
59	LF2	Pin to set defect detection time constant of disk.
60	PHI	Pin to connect capacitor for peak hold of RF signal.
61	BHI	Pin to connect capacitor for bottom hold of RF signal.
62	LDO	APC circuit output pin.
63	LDS	APC circuit output pin.
64	VCC1	RF system VCC pin.

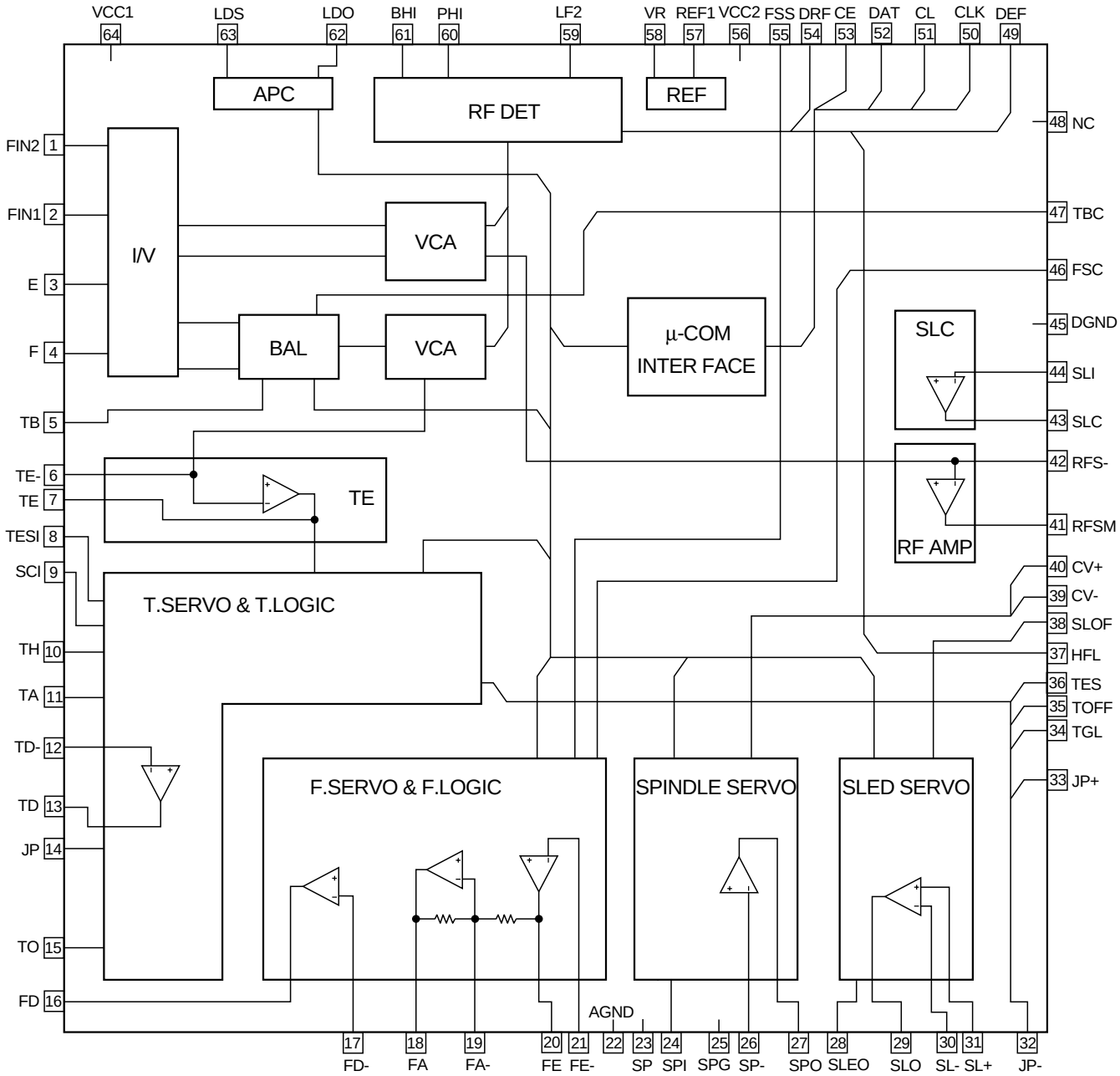


Figure 45 BLOCK DIAGRAM OF IC

IC2 VHiLC78631E-1: Servo/Signal Control (LC78631E) (1/2)

Pin No.	Terminal Name	Input/Output	Function	
1*	VPDO	Output	Variable pitch PLL charge pump output.	
2	PD02	Output	Double-speed and mode playback PLL charge pump output.	
3	PDO1	Output	Normal-speed mode playback PLL charge pump output.	
4	AVSS	—	Analog system ground. Normally 0V.	
5	FR	—	Built-in VCO frequency range setting resistor connection.	
6	AVDD	—	Analog system power supply.	
7	ISET	—	PDO1 and PDO2 output current setting resistor connection.	
8	TAI	Input	Test input. A pull-down resistor is built in.	
9	EFMO	Output	EFM signal output.	
10	VSS	—	Digital system ground. Normally 0V.	
11	EFMI	Input	EFM signal input.	
12	TEST1	Input	Test input. A pull-down resistor is built in.	
13,14	CLV+, CLV-	Output	Spindle servo control output. CLV+ outputs a high level for acceleration, and CLV-outputs a high level for deceleration.	
15	V/P	Output	Rough servo/phase control automatic switching monitor output. A high-level output indicates rough servo, and a low-level output indicates phase control.	
16,17	TEST2, TEST3	Input	Test input. A pull-down resistor in built in.	
18*	P4	Input/Output	I/O port.	
19	HFL	Input	Track detection signal input. This is a Schmitt input.	
20	TES	Input	Tracking error signal input. This is a Schmitt input.	
21*	PCK	Output	EFM data playback bit clock monitor. Outputs 4.3218 MHz when the phasw is locked.	
22*	FSEQ	Output	Synchronization signal detection output. Output a high level when the synchronization signal detected from EFM signal matches the internally generated synchronization signal.	
23	TOFF	Output	Tracking off output.	
24	TGL	Output	Tracking gain switching output. Increase the gain when this pin outputs a low level.	
25*	THLD	Output	Tracking hold output.	
26	TEST4	Input	Test input. A pull-down resistor is built in.	
27	VDD	—	Digital system power supply.	
28,29	JP+, JP-	Output	Track jump output. JP+ outputs a high level both for acceleration during outward direction jumps and for deceleration during inward direction jumps. JP- outputs a high level both for acceleration during inward direction jumps and for deceleration during outward direction jumps.	
30*,31*	SLD+, SLD-	Output	Slide output. This pin can be set to 1 of 4 levels by commands sent from the system control microprocessor.	
32	EMPH_B	Output	De-emphasis monitor. A high level indicates that disc requlring de-emphasis is being played.	
33*	P5	Input/Output	I/O port.	
34*	LRCKO	Output	Digital filter outputs	LR clock output.
35*	DFLRO	Output		LR data output. The digital filters can be turned off with the DFOFF command.
36*	DACKO	Output		Bit clock output.
37*	CONT1	Output	Output port.	
38	P0/DFCK	Input/Output	I/O port or digital filter bit clock input.	
39	P1/DFIN	Input/Output	I/O port or digital filter data input.	
40	P2	Input/Output	I/O port. Used as the de-emphasis filter on/off switching pin in anti shock mode.	
41	P3/DFLR	Input/Output	Port output or digital fllter LR clock input.	
42	LRSY	Output	ROMXA pins	LR clock output.
43	CK2	Output		Bit clock output. The polarity can be inverted with the CK2CON command.
44	ROMXA	Output		Interpolated data output. Data that has been interporated can be output by issuing the ROMXA command.
45	C2F	Output		C2 flag output.
46	MUTEL	Output	One-bit D/A converter pins	Left channel mute output.
47	LVDD	—		Left channel power supply.
48	LCHP	Output		Left channel P output.
49	LCHN	Output		Left channel N output.
50	LVSS	—		Left channel ground. Normally 0V.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Note: The same potential must be to the power terminals (VDD, VVDD, LVDD, RVDD, XVDD).
Unused input ports of general-purpose input/output ports (I/O) must be connected to 0V or set output port.

IC2 VHiLC78631E-1: Servo/Signal Control (LC78631E) (2/2)

Pin No.	Terminal Name	Input/Output	Function	
51	XVSS	—	Crystal osccillator garound. Normaly 0v.	
52	XOUT	Output	16.9344 MHz crystal oscillator connections. Use a 33.8688 MHz Crystal oscillator for quadspeed playback.	
53	XIN	Input	16.9344 MHz crystal oscillator connections. Use a 33.8688 MHz Crystal oscillator for quadspeed playback.	
54	XVDD	—	Crystal oscillator power supply.	
55	RVSS	—	One-bit D/A converter pins	Right channel ground. Normaly 0V.
56	RCHN	Output		Right channel N output.
57	RCHP	Output		Right channel P output.
58*	RVDD	—		Right channel power supply.
59*	MUTER	Output		Right channel mute output.
60*	SBSY	Output	Subcode block synchronization signal output.	
61*	EFLG	Output	C1 and C2 error correction state monitor.	
62*	PW	Output	Subcode P,Q,R,S,T,U and W output.	
63*	SFSY	Output	Subcode frame synchronization signal output. Falls when the subcode output goes to the standby state.	
64	SBCK	Input	Subcode readout clock input. This is a Schmitt input.	
65*	DOUT	Output	Digital output.	
66*	FSX	Output	Outputs a 7.35 kHz synchronization signal generated by dividing the crystal oscillator frequency.	
67	WRQ	Output	Subcode Q outputstandby output.	
68	RWC	Input	Read/write control input.	
69	SQOUT	Output	Subcode Q output.	
70	COIN	Input	Input for commands from the control microprocessor.	
71	CQCK	Input	Command input acousition clock. Also used as the SQOUT subcode readout clock input. This is a Schmitt input.	
72	RES	Input	Chip reset input. This pin must be set low temporary when power is first applled.	
73*	FAST	Output	Not used	
74*	CONT2	Output	Output port.	
75	16M	Output	16.9344 MHz output. 33.8688 MHz output in 4x playback mode.	
76	4.2M	Output	4.2336 MHz output.	
77	TEST5	Input	Test input. A pull-down resistor built in.	
78	CS	Input	Chip select input. A pull-down resistor is built in.	
79	DEFI	Input	Defect detection signal input.	
80	VCOC	Input	Variable pitch VCO control input.	

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Note: The same potential must be to the power terminals (VDD, VVDD, LVDD, RVDD, XVDD).
Unused input ports of general-purpose input/output ports (I/O) must be connected to 0V or set output port.

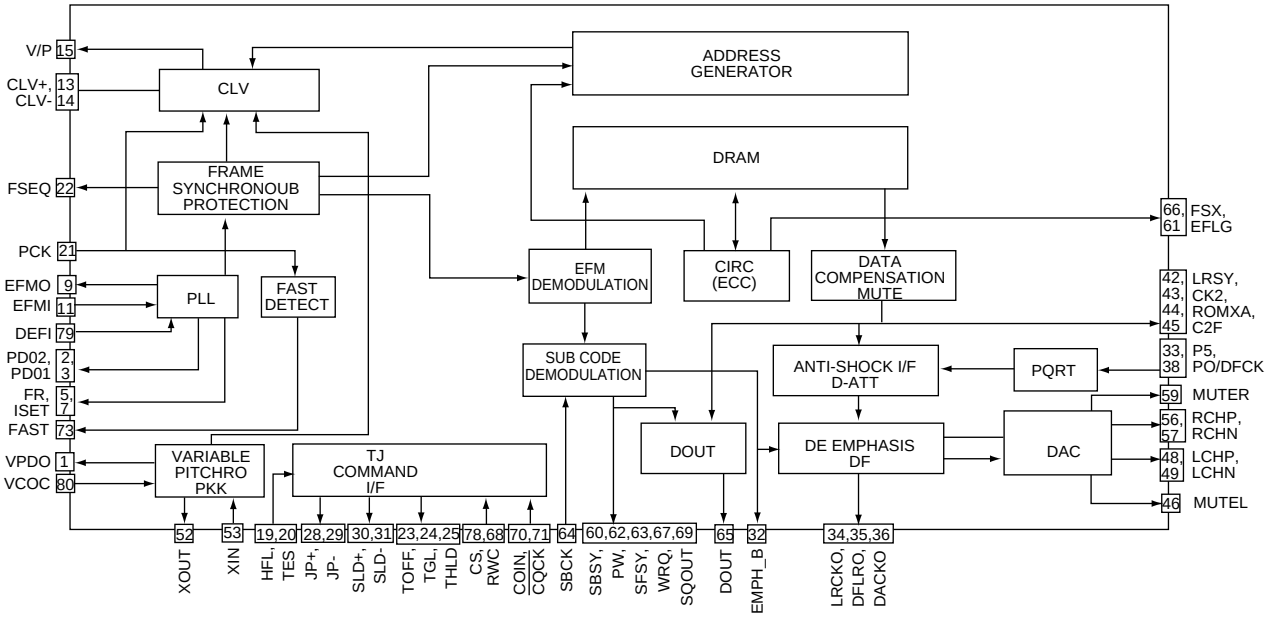
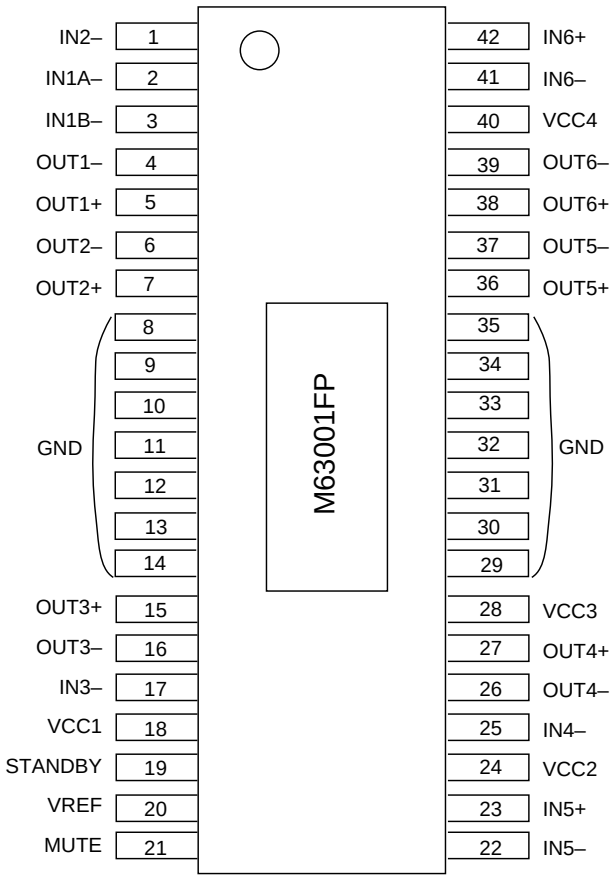


Figure 47 BLOCK DIAGRAM OF IC

IC3 VHiM63001FP-1: Focus/Tracking/Spin/Sled Driver (M63001FP)

Pin No.	Terminal Name	Function
1	IN2-	CH2 inverted input.
2	IN1A-	CH1 inverted input.
3	IN1B-	CH1 output offset control.
4	OUT1-	CH1 inverted output.
5	OUT1+	CH1 non-inverted output.
6	OUT2-	CH2 inverted output.
7	OUT2+	CH2 non-inverted output.
8-14	GND	GND
15	OUT3+	CH3 non-inverted output.
16	OUT3-	CH3 inverted output.
17	IN3-	CH3 inverted input.
18	VCC1	Power supply 1 (CH1, CH2, CH3)
19	STANDBY	STANDBY signal input.
20	VRFE	CH1-CH4 Reference voltage input.
21	MUTE	Mute signal input (CH6).
22	IN5-	CH5 inverted input.
23	IN5+	CH5 non-inverted input.
24	VCC2	Power supply 2 (CH4).
25	IN4-	CH4 inverted input.
26	OUT4-	CH4 inverted output.
27	OUT4+	CH4 non-inverted output.
28	VCC3	Power supply 3 (CH5).
29-35	GND	GND
36	OUT5+	CH5 non-inverted output.
37	OUT5-	CH5 inverted output.
38	OUT6+	CH6 non-inverted output.
39	OUT6-	CH6 inverted output.
40	VCC4	Power supply 4 (CH6).
41	IN6-	CH6 inverted input.
42	IN6+	CH6 non-inverted input.



IC471,650,651 VHiKiA4558P-1: Ope Amp. (KIA4558P)

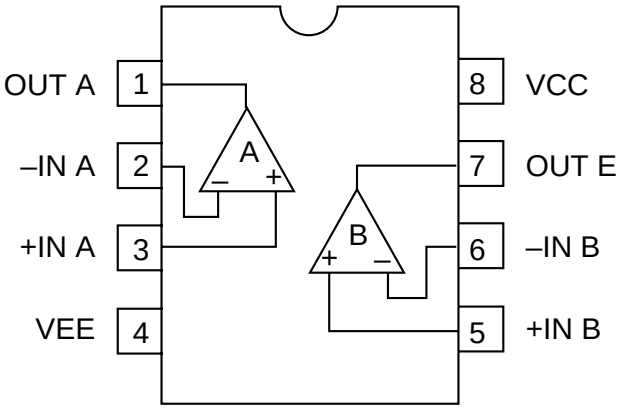


Figure 48 BLOCK DIAGRAM OF IC

IC701 RH-iX0340AWZZ:System Control Microcomputer (IX0340AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VDD	VDD	—	(+) Power supply
2	P37	ENA	Output	Dolby prologic enable terminal
3	P36	DO	Input	Data input
4	P35	DI	Output	Dara output
5	P34	CE	Output	CE output
6	P33	CLK	Output	Clock output
7,8	P32, P31	LCK1, LCK2	Output	C Clock output
9	P30	CD DSP RWC	Output	CD DSP read write control
10	RESET	RESET	Input	Reset
11	X2	X2	Output	Main clock
12	X1	X1	Input	Main clock
13	Vpp	VPP	—	Power supply terminal
14*	XT2	XT2	—	Open
15	P04	CD DSP WRQ	Input	CD DSP write request
16	VDD	VDD	—	(+) Power supply
17	P27	SBUSY	Output	Comunicate to MPEG controller SBUSY
18	P26	CD DSP COIN	Outout	CD DSP comand
19	P25	SQOUT	Input	CD DSP code q out
20	P24	CD DSP CQCK	Output	CD DSP clock
21	P23	CD DSP RES	Output	CD DSP reset
22	P22	FRF (DRF)	Input	CD RF level detection
23	P21	SLD+	Output	CD sled motor +
24	P20	SLD-	Output	CD sled motor -
25	AVss	AVSS	—	Analog ground
26	ANI7	SPEANA3	Input	SPEANA data input 16 KHz
27	ANI6	SPEANA2	Input	SPEANA data input 1 KHz
28	ANI5	SPEANA1	Input	SPEANA data input 63 Hz
29	ANI4	TUN SM	Input	Tuner signal mater input
30	ANI3	T2 RUN	Input	Tape 2 ran pulse input
31-33	ANI2-ANI0	KEYIN3-KEYIN1	Input	Key input
34	AVDD	AVDD	—	Analog VDD
35	AVREF	AVREF	—	Analog REF voltage
36	P03	PUIN SW	Input	CD PUIN switch
37	P02	O/C SW	Input	CD open/close switch
38	INTP1	SYS STOP	Input	System stop input
39	INTP0	REMOCON	Input	Remocon input
40	Vss	VSS	—	Ground voltage
41	P74	DNO SW	Input	CD disc No. switch
42	P73	U/D SW	Input	CD up/down switch
43	P72	TIMER LED	Output	Timer LED control
44	P71	T_SOL	Output	Tape solenoid control
45	P70	T_MOT	Output	Tape motor control
46	VDD	VDD	—	(+) Power supply
47	P127	CAM SW	Input	Tape cam switch
48	P126	T1FAS	Input	Tape full autostop pulse input
49	P125	FPA	Input	Tape 2 A-side full proof
50	P124	H/P	Input	Headphone input
51	P123	AC RLY_CON	Output	AC relay control
52	P122	REC/PLAY	Output	Tape REC/PLAY change
53	P121	T_BIAS	Output	Tape Record bias control
54	P120	T_T1T2	Output	Tape T1/T2 change
55	P117	MDO	Input	MPEG microcomputer data input

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iX0340AWZZ:System Control Microcomputer (IX0340AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
56	P116	KEY JOG A	Input	Key jog input A
57	P115	KEY JOG B	Input	Key jog input B
58	P114	S MUTE	Output	System mute
59	P113	C MUTE	Output	Center mute
60	P112	SR MUTE	Output	Surround mute
61*	P111	HI-CUT	Output	HI-CUT output
62	P110	POWER	Output	Power output
63	P107	SPRLY	Output	Speaker output relay control
64	P106	SP_DET	Input	Speaker output detection
65	P105	MBUSY	Input	Comunicate to MPEG controller MBUSY
66	P104	DISTOUT	Output	Distination output
67	P103/FIP32	S22/DIST4	Input/Output	FL display segment driver distination input
68	P102/FIP31	S21/DIST3	Input/Output	FL display segment driver distination input
69	P101/FIP30	S20/DIST2	Input/Output	FL display segment driver distination input
70	P100/FIP29	S19/DIST1	Input/Output	FL display segment driver distination input
71	FIP28	S18/DIST0	Output	FL display segment driver
72-78	FIP27-FIP21	S17-S11	Output	FL display segment driver
79	VLOAD	VLOAD	—	FL driver (–) power supply, –30V
80-89	FIP20-FIP11	S10-S1	Output	FL display segment driver
90-100	FIP10-FIP0	G11-G1	Output	FL display segment driver

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

ICV1 RH-iX0313AWZZ: MPEG Controller (IX0313AW)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	P50	VOCAL CANCEL	Output	Vocal cancel
2	P51	K_C_DATA	Output	Key control IC data
3	P52	K_C_CLK	Output	Key control IC clock
4	P53	K_C_STRB	Output	Key control IC strobe
5	P54	KEY CONT.	Output	Key control
6	P55	CD-SOL	Output	CD changer solenoid control
7,8	P56, P57	NO USE	Output	Goint 10 kohm to GND
9	V_{SS0}	VSS0	—	Ground voltage
10	V_{DD0}	VDD0	—	VDD
11	P30	CD-LD M+	Output	CD changer motor control
12	P31	CD-LD M-	Output	CD changer motor control
13	P32	MO_SPEED	Output	CD changer motor speed control
14	P33	NO USE	Output	Goint 10 kohm to GND
15	P34	PWR_MPEG	Output	MPEG power supply control
16,17	P35, P36	NO USE	Output	Goint 10 kohm to GND
18	P20	MDI	Input	Comunicate to system µcon DI
19	P21	MDO	Output	Comunicate to system µcom DO
20	P22	MCK	Input	Comunicate to system µcom CLK
21	P23	NO USE	Output	Joint 10 kohm to GND
22	P24	MBUSY	Output	Comunicate to ststem µcom MBUSY
23	P25/ASCK0	NO USE	Output	Goint 10 kohm to GND
24	V_{DD1}	VDD1	—	VDD
25	A_{VSS}	AVSS	—	Ground
26-33	P17-P10	NO USE	Output	Goint 10 kohm to GND
34	A_{VREF}	AVREF	—	Conect to VDD
35	A_{VDD}	AVDD	—	Conect to VDD
36	$\overline{\text{RESET}}$	$\overline{\text{RESET}}$	Input	Common use DSP_RESET
37	XT2	XT2	—	Open
38	XT1	XT1	—	Conect to VDD
39	IC	IC	—	Conect to ground
40	X2	X2	Output	Main clock
41	X1	X1	Input	Main clock
42	V_{SS1}	VSS1	—	Ground voltage
43	INTP0	INT	Output	Interrupt requset
44	INTP1	SBUSY	Input	Comunicate to system µcom SBUSY
45,46	P02, P03	NO USE	Output	Goint 10 kohm to GND
47-50	P70-P73	NO USE	Output	Goint 10 kohm to GND
51	P74	$\overline{\text{MPEG RESET}}$	Output	MPEG decoder reset
52	BUZ	$\overline{\text{HCS}}$	Output	Chip select
53	P64/RD	$\overline{\text{HRD}}$	Output	Reas strobe
54	$\overline{\text{WR}}$	$\overline{\text{HWR}}$	Output	Write strobe
55	$\overline{\text{WAIT}}$	$\overline{\text{HDAK}}$	Input	Bus cycle acknowledge
56	ASTB	HA	Output	Adress strobe
57-64	AD0-AD7	HD0-HD7	Input/Output	Host parallel intertface

ICV2 VHiD61012GC-1: MPEG Decoder (D61012GC) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1	VDD	—	Digital supply.
2-5	HD7-HD4	Input/Output	Host data bus. HD7 = MSB, HDO = LSB. Internally pulled down. Pull down resistance = approx. 42 kohms. Can quit this pull down with the HD_PD_OFF register (74H, bo).
6	GND	—	Ground
7-10	HD3-HD0	Input/Output	Host data bus. HD7 = MSB, HD0 = LSB Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the HD_PD_OFF register (74H, bo).
11,12	GND	—	Ground
13	X1	Input	To connect a 27 MHz oscillator. Open when not using.
14	X2	Input	To connect a 27 MHz oscillator or input 27 MHz clock. Set the clock at CKSEL terminal. Signal input at 3.3 Vp-p.
15	VDD	—	Digital supply.
16	CKSEL	Input	Select a clock to be input to X2 terminal. Use CKSEL = High: oscillator. CKSEL = Low : 27 MHz clock input.
17	VDD	—	Digital supply.
18	GND	—	Ground
19	$\overline{\text{HCS}}$	Input	Chip select signal.
20	$\overline{\text{HRD}}$	Input	Read strobe signal.
21	$\overline{\text{HWR}}$	Input	Write strobe signal.
22	HA	Input	Address / address strobe signal.
23	HSELA	Input	Host interface select signal. Select a serial interface or an 8-bit parallel interface. HSELX = High: parallel interface. HSELX = Low: serial interface.
24	HSELA	Input	Host interface mode select signal. Select multiplex mode or separate mode. HSELA = High: multiplex mode. HSELA = Low: separate mode. Fixed low when using serial interface.
25	VDD	—	Digital supply.
26	GND	—	Ground
27	$\overline{\text{RESET}}$	Input	Reset terminal.
28	$\overline{\text{HDAK}}$	Output	Host bus acknowledge signal.
29	INT	Output	Interrupt signal.
30	GND	—	Ground
31	AUCLK	Input	Audio clock (16.9344 MHz).
32	AUBCK	Output	Audio bit clock.
33	AULRCK	Output	Audio L/R clock.
34*	AUEMPH	Output	Audio emphasis signal.
35	AUDO	Output	Audio data output.
36	VDD	—	Digital supply.
37	GND	—	Ground
38-42	MA8-MA4	Output	DRAM address bus. MA8 = MSB, MAO = LSB.
43	GND	—	Ground
44	VDD	—	Digital supply.
45-48	MA3-MA0	Output	DRAM address bus. MA8 = MSB, MA0 = LSB.
49	$\overline{\text{MRAS}}$	Output	DRAM low address strobe signal.
50	GND	—	Ground
51	VDD	—	Digital supply.

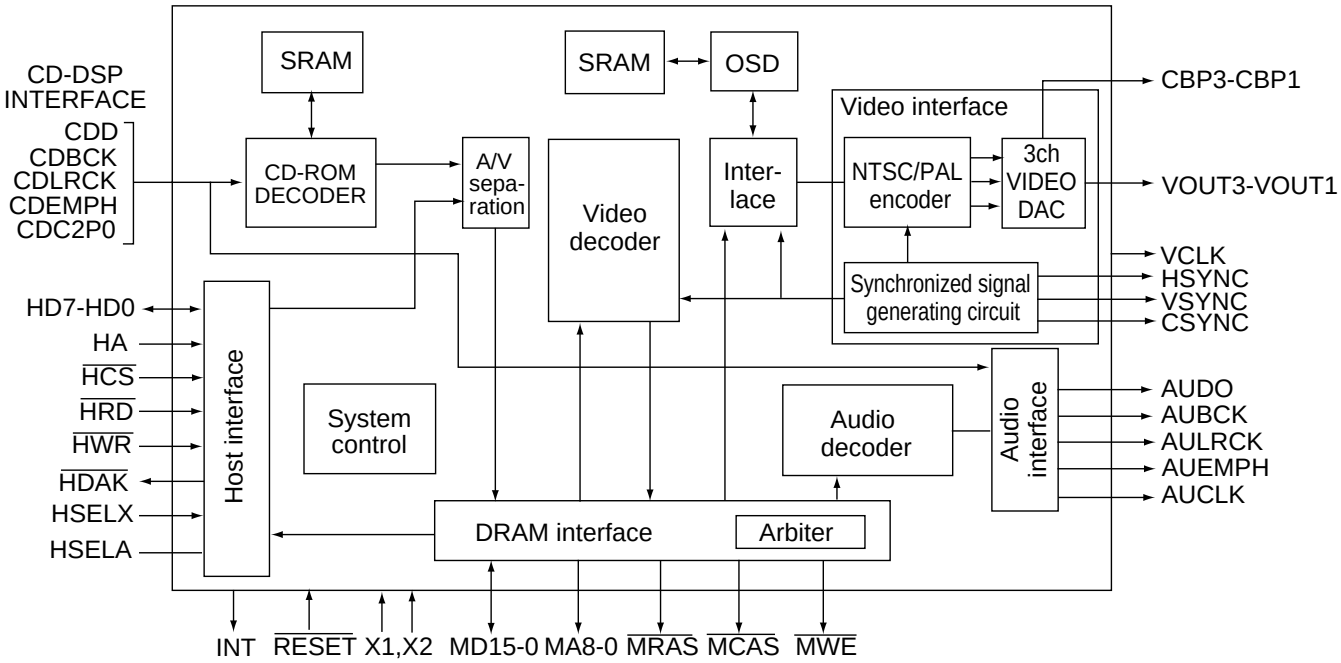
In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

ICV2 VHiD61012GC-1: MPEG Decoder (D61012GC) (2/2)

Pin No.	Terminal Name	Input/Output	Function
52	$\overline{\text{MWE}}$	Output	DRAM write enable signal.
53	$\overline{\text{MCAS}}$	Output	DRAM column address strobe signal.
54-56	MD7-MD5	Input/Output	DRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
57	GND	—	Ground
58-62	MD4-MD0	Input/Output	TDRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
63	VDD	—	Digital supply.
64	GND	—	Ground
65-68	MD15-MD12	Input/Output	DRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
69	GND	—	Ground
70-73	MD11-MD8	Input/Output	DRAM data bus. MD15 = MSB, MD0 = LSB. Internally pulled down. Pull down resistance is approx. 42 kohms. Can quit this pull down with the MD_PD_OFF register (74H, b1).
74	GND	—	Ground
75	VDD	—	Digital supply.
76	GND	—	Ground
77*	VCLK	—	Not used
78*	CSYNC	Output	Synchronized signal generating signal
79*	NSYNC	Output	Synchronized signal generating signal
80*	HSYNC	Output	Synchronized signal generating signal
81*,82*	—	—	Not used
83	VDD	—	Digital supply.
84	AVDD	—	Analog power supply
85	CBP1	Output	3CH Video D/A signal
86	VOUT1	Output	3CH Video D/A signal
87	CBP2	Output	3CH Video D/A signal
88*	VOUT2	Output	3CH Video D/A signal
89	CBP3	Output	3CH Video D/A signal
90*	VOUT3	Output	3CH Video D/A signal
91	AGND	—	Analog power supply
92	VDD	—	Digital supply.
93*	—	—	Not used
94	GND	—	Ground
95	CDC2PO	Input	CD data input
96	CDEMPH	Input	CD data input
97	CDLRCK	Input	CD data input
98	CDBCK	Input	CD data input
99	CDI	Input	CD data input
100	GND	—	Ground

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

ICV2 VHiD61012GC-1: MPEG Decoder (D61012GC)



ICV4 VHiNJM2267M-1: Video operation amp. (NJM2267M)

Pin No.	Terminal Name	Function
1	Clamp input terminal	Input of 1.9 V clamp, 1 Vp-p composite or Y-signal
2	GND	Ground
3	Sag correction terminal	Able to obtain an output without any sag by feeding back the sag, generated from output coupling C, using the external C (see block diagram). When not using the sag correction terminal, connect directly to the pin 4.
4,5	Output terminal	6 dB amplifier output. Able to drive 75? line.
6	Sag correction terminal	Able to obtain an output without any sag by feeding back the sag, generated from output coupling C, using the external C (see block diagram). When not using the sag correction terminal, connect directly to the pin 5.
7	V+	Power source
8	Clamp input terminal	Input of 1.9 V clamp, 1 Vp-p composite or Y-signal.

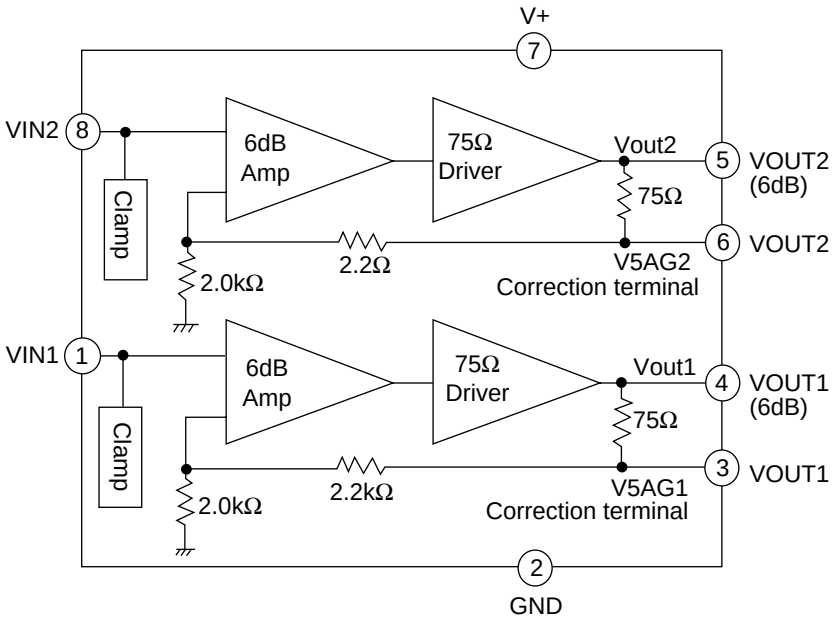


Figure 54 BLOCK DIAGRAM OF IC

ICV3 VHiSDM4260C-1: DRAM (SDM4260C)

Pin No.	Port Name	Function
1	VDD	Power supply
2-10	DQ0-DQ7	Data input/output
11*,12*	NC	Not used
13	$\overline{WE}$	Read/write enable
14	$\overline{RAS}$	Row address strobe
15*	NC	Not used
16-19	A0-A3	Address input (row/refresh: A0 to A3) (Column: A0 to A3)
20	VDD	Power supply
21	VSS	Ground
22-26	A4-A8	Address input (row/refresh: A4 to A8) (Column: A4 to A8)
27	$\overline{OE}$	Output enable
28,29	$\overline{UCAS}$, $\overline{LCAS}$	Column address strobe
30*	NC	Not used
31-34	DQ8-DQ11	Data input/output
35	VSS	Ground
36-39	DQ12-DQ15	Data input/output
40	VSS	Ground

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

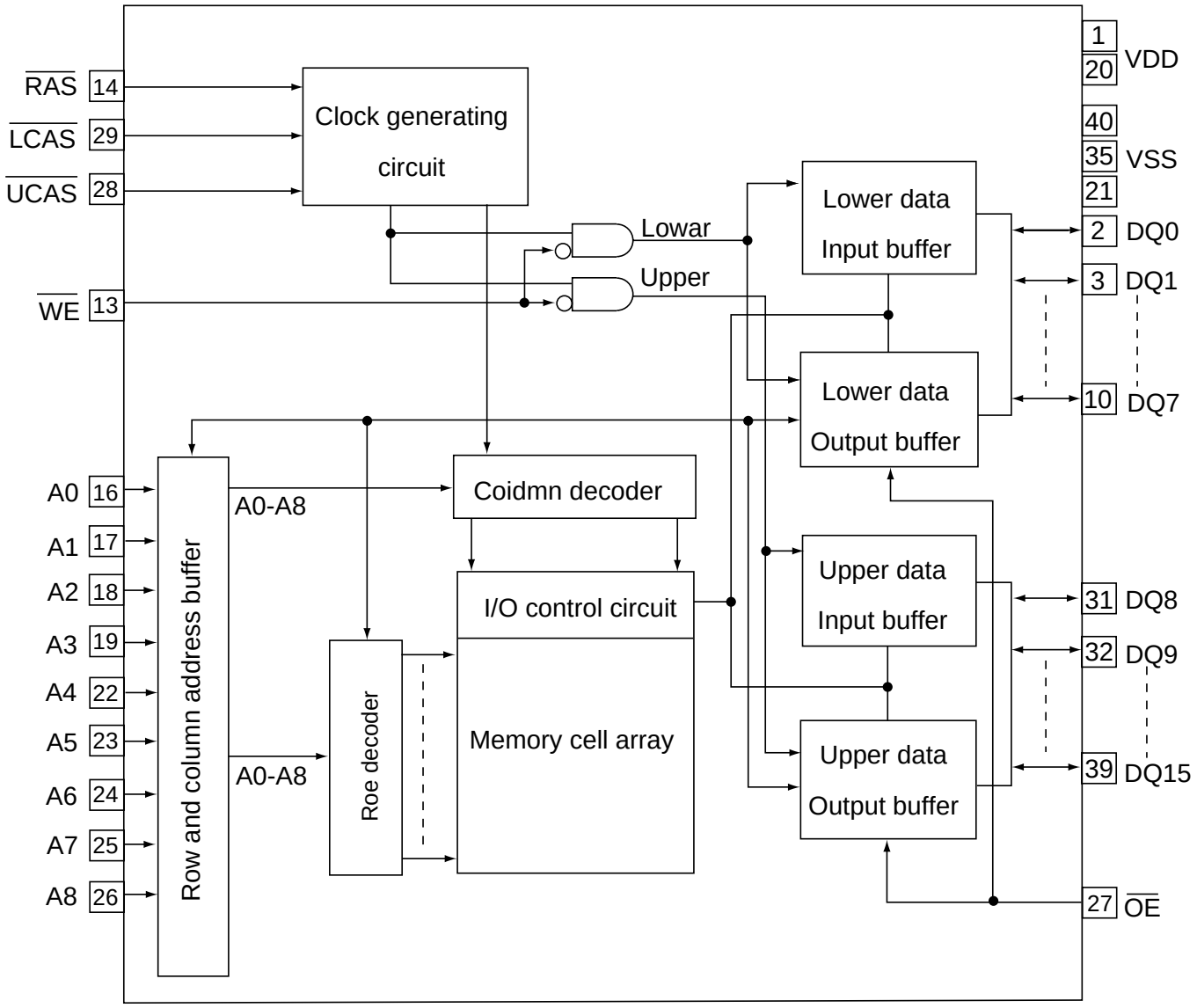
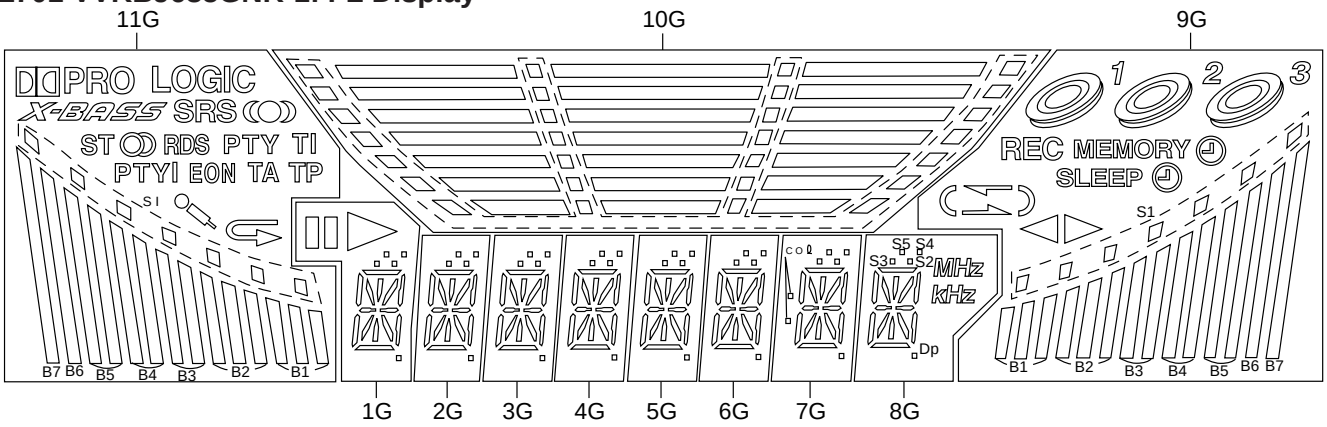
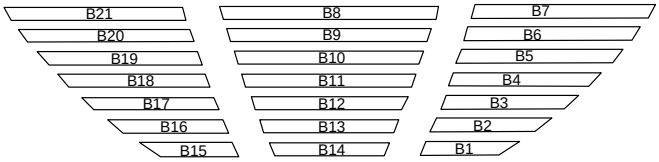


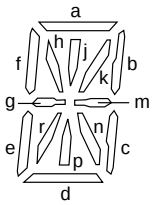
Figure 55 BLOCK DIAGRAM OF IC

FL701 VVKBJ685GNK-1: FL Display





[10G]



[1G~8G]

ANODE CONNECTION

	1G	2G~6G	7G	8G	9G	10G	11G
P1	Dp	Dp	Dp	Dp	S1	S1	S1
P2	d	d	d	d	B1	B1	B1
P3	c	c	c	c	B2	B2	B2
P4	n	n	n	n	B3	B3	B3
P5	p	p	p	p	B4	B4	B4
P6	r	r	r	r	B5	B5	B5
P7	e	e	e	e	B6	B6	B6
P8	m	m	m	m	B7	B7	B7
P9	g	g	g	g	◎1	B8	PRO LOGIC
P10	–	–	col	–	◎2	B9	X-BASS
P11	b	b	b	b	◎3	B10	SRS
P12	k	k	k	k	REC	B11	ST
P13	j	j	j	j	MEMORY	B12	◎
P14	h	h	h	h	◎	B13	RDS
P15	f	f	f	f	◎ (LOWER)	B14	PTY
P16	a	a	a	a	SLEEP	B15	TI
P17	S2	S2	S2	S2	☾	B16	TP
P18	S3	S3	S3	S3	⇄	B17	TA
P19	S4	S4	S4	S4	☽	B18	PTYI
P20	S5	S5	S5	S5	◁	B19	EON
P21	▷	–	–	MHz	▷	B20	⚲
P22	▯▯	–	–	kHz	–	B21	⇦

Figure 56 FL SEGMENT

SHARP PARTS GUIDE

MODEL CD-PC1881V

CD-PC1881V Video CD Mini System consisting of CD-PC1881V (main unit), CP-C881 (front speakers), CP-SW881 (sub woofer), GBOXS0026AWM1 (centre speaker) and GBOXS0027AWM1 (surround speakers).

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK ..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN ..... Cylindrical type (without lead wire)
VC • • TV ..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS ..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN ..... Cylindrical type (without lead wire)
VR • • TV ..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

CD-PC1881V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

CD-PC1881V

INTEGRATED CIRCUITS

IC1	VHILA9241M/-1	J	AS	Servo Amp.,LA9241M
IC2	VHILC78631E-1	J	BB	Servo/Signal Control,LC78631E
IC3	VHIM63001FP-1	J	AX	Focus/Tracking/Spin/Sled Driver, M63001FP
IC4	VHIBA4558F/-1	J	AD	Ope Amp.,BA4558F
IC101	VHIAN7345K/-1	J	AM	Playback and Record/ Playback Amp.,AN7345K
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832//-1	J	AR	FM IF DET./FM MPX./AM IF., LA1832
IC401	VHILC75396N-1	J	AX	Audio Processor,LC75396N
IC471	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
IC501	VHILV1035M/-1	J	BC	Dolby Pro Logic Decorder, LV1035M
IC601	VHINJM4560D-1	J	AH	Ope Amp.,NJM4560D
IC650,651	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
IC701	RH-IX0340AWZZ	J		System Control Microcomputer,IX0340AW
IC702,703	VHIBU2092F/-1	J	AM	Input/Output Expander,BU2092F
IC704	VHIKIA7042AP1	J	AC	Reset,KIA7042AP
IC803	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05
IC804	VHIKIA7812P-1	J	AE	Voltage Regulator,KIA7812P
IC805	VHIKIA7806P-1	J	AG	Voltage Regulator,KIA7806P
IC806	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05
IC902	VHISTK40724-1	J	BD	Power Amp.,STK40724
IC951	VHILA4451//-1	J	AN	Power Amp.,LA4451
ICV1	RH-IX0313AWZZ	J		MPEG Controller,IX0313AW
ICV2	VHID61012GC-1	J		MPEG Decoder,D61012GC
ICV3	VHISDM4260C-1	J		DRAM,SDM4260C
ICV4	VHINJM2267M-1	J		Video Operation Amp., NJM2267M

TRANSISTORS

Q1	VSKTA1504GR-1	J		Silicon,PNP,KTA1504 GR
Q51	VSKRC102S//-1	J	AB	Digital,NPN,KRC102 S
Q52,53	VSKTC3265Y/-1	J		Silicon,NPN,KTC3265 Y
Q54	VSKTC3876Y/-1	J	AB	Silicon,NPN,KTC3876 Y
Q55	VSKRC102S//-1	J	AB	Digital,NPN,KRC102 S
Q56	VSKTC3876Y/-1	J	AB	Silicon,NPN,KTC3876 Y
Q57	VSKRC102S//-1	J	AB	Digital,NPN,KRC102 S
Q103~106	VS2SC2389SE-1	J	AD	Silicon,NPN,2SC2389 SE
Q107,108	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q110,111	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q121,122	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q124	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q126	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q128	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q353,354	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q361	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q371	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q401~404	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q405	VSKRC104M//-1	J	AC	Digital,NPN,KRC104 M
Q601~604	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q702	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q703	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q704	VSKRC102M//-1	J	AC	Digital,NPN,KRC102 M
Q705~707	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q801	VSKTA1274Y/-1	J	AE	Silicon,PNP,KTA1274 Y
Q802	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q903	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q904,905	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q906,907	VSKRC107M//-1	J	AC	Digital,NPN,KRC107 M
Q908	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
QV1	VSUPC29M33T-1	J		Voltage Regulator,UPC29M33 T
QV2	VSKTA1298Y/-1	J	AC	Silicon,PNP,KTA1298 Y
QV3	VSKRC104S//-1	J	AC	Digital,NPN,KRC104 S
QV4	VSKTA1298Y/-1	J	AC	Silicon,PNP,KTA1298 Y

DIODES

D1	VHDKDS193//-1	J		Silicon,KDS193
D91~93	VHDKDS193//-1	J		Silicon,KDS193
D101,102	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D301~304	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D351~353	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D401~403	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D515,516	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D651~654	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D704	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D715~722	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
⚠ D801,802	VHDTS6B04GM-1	J	AP	Silicon,TS6B04GM
D803~809	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D810	VHD1SS133//-1	J	AA	Silicon,1SS133
D811~814	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D817~819	VHD1SS133//-1	J	AA	Silicon,1SS133
D821~825	VHD1SS133//-1	J	AA	Silicon,1SS133
D901~903	VHD1SS133//-1	J	AA	Silicon,1SS133
D904~907	VHD1N4004S/-1	J	AB	Silicon,1N4004S
D908,909	VHD1SS133//-1	J	AA	Silicon,1SS133
DV1,2	VHD1SS133//-1	J	AA	Silicon,1SS133
DV4,5	VHDKDS193//-1	J		Silicon,KDS193
LED701	VHPL1154GT4-1	J	AB	LED,Green,L1154GT4
LED702	VHPSLI342YCB1	J	AC	LED,Orange,SLI342YCB
LED703	VHPSLI342DCB1	J	AC	LED,Yellow,SLI342DCB
LED704	VHPSLI342UCB1	J	AC	LED,Red,SLI342UCB
LED705	VHPSLI342DCB1	J	AC	LED,Orange,SLI342UCB
LED706	VHPSLI342YCB1	J	AC	LED,Yellow,SLI342YCB
LED707~710	VHPL1154GT4-1	J	AB	LED,Green,L1154GT4
LED711~713	VHPSLI342YCJ1	J	AC	LED,Yellow,SLI342YCJ
LED716,717	VHPSLI342YCJ1	J	AC	LED,Yellow,SLI342YCJ
LED718	VHPSLI325YC-1	J	AB	LED,Yellow,SLI325YC
LED719,720	VHPSLI342YCE1	J	AC	LED,Yellow,SLI342YCE
LED721	VHPSLI342YCJ1	J	AC	LED,Yellow,SLI342YCJ
LED722	VHPSLI342UCJ1	J	AC	LED,Red,SLI342UCJ
LED723,724	VHPSLI342YCJ1	J	AC	LED,Yellow,SLI342YCJ
VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
ZD61	VHEZ02W5R6Y-1	J		Zener,5.6V,Z02W5.6Y
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD352	VHEDZ3R9BSB-1	J	AC	Zener,3.9V,DZ3.9BSB
ZD651	VHEDZ6R2BSC-1	J	AB	Zener,6.2V,DZ6.2BSC
ZD801	VHEDZ6R2BSA-1	J	AB	Zener,6.2V,DZ6.2BSA
ZD802	VHEDZ300BSB-1	J	AB	Zener,30V,DZ300BSB
ZD803	VHEDZ130BSB-1	J	AB	Zener,13V,DZ130BSB

FILTERS

CF302	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM Detector,10.7 MHz
CF352	RFILA0009AWZZ	J	AE	AM IF

TRANSFORMERS

⚠ PT801	RTRNP0250AWZZ	J	BH	Power,Main]
⚠ PT802	RTRNP0239AWZZ	J	AP	Power,Sub
T302	RCILA1064AFZZ	J	AD	AM Tracking
T306	RCILB1074AFZZ	J	AC	AM Oscillation
T351	RCILI0011AWZZ	J	AD	AM IF

COILS

L61	VPBNNR82J0000	J		0.82 µH
L104	VP-MK331K0000	J	AB	330 µH,Choke
L342	VP-DH2R2K0000	J	AB	2.2 mmH,Peaking
L351	VP-DH101K0000	J	AB	100 µH,Choke
L352	VP-DH101K0000	J	AB	100 µH,Choke
L353	VP-DH102K0000	J	AB	1 mH,Choke
L601	VP-DH101K0000	J	AB	100 µH,Choke
L702	VP-DH101K0000	J	AB	100 µH,Choke

VARIABLE RESISTORS

VR351	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [FM Mute Level]
VR701	RVR-B0017AWZZ	J	AE	20 kohms (B) [SUB Woofer Volume]

VIBRATORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
X1	92LCRSTL1746AT	J	AH	Crystal,16.93 MHz
X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0002AWZZ	J	AH	Crystal,4.5 MHz
X501	RCRM-0173AFZZ	J	AE	Ceramic,8 MHz
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.19 MHz
XV1	RCRM-0201AFZZ	J	AD	Ceramic,4.19 MHz
XV2	RCRSP0013AWZZ	J		Crystal,27 MHz

CAPACITORS

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C1	VCEAPS476AF1A	J	AD	47 µF,10V,Electrolytic
C2	VCKYTV1HB103K	J	AA	0.01 µF,50V
C3	VCEAPS105AF1H	J	AB	1 µF,50V,Electrolytic
C4	VCKYTV1EB104K	J	AA	0.1 µF,25V
C5,6	VCKYTV1HB333K	J	AA	0.033 µF,50V
C7	VCKYTV1EB104K	J	AA	0.1 µF,25V
C8	VCKYTV1CB683K	J	AB	0.068 µF,16V
C9	VCKYTV1HB473K	J	AA	0.047 µF,50V
C10	VCCSTV1HL181J	J	AA	180 pF,50V
C11,12	VCKYTV1EB104K	J	AA	0.1 µF,25V
C13	VCKYTV1HB331K	J	AA	330 pF,50V
C14,15	VCKYTV1HB103K	J	AA	0.01 µF,50V
C16	VCKYTV1HB472K	J	AA	0.0047 µF,50V
C17	VCKYTV1HB102K	J	AA	0.001 µF,50V
C18	VCEAPS474AF1H	J	AB	0.47 µF,50V,Electrolytic
C19	VCEAPS105AF1H	J	AB	1 µF,50V,Electrolytic
C20	VCEAPS476AF1A	J	AD	47 µF,10V,Electrolytic
C21	VCKYTV1HB332K	J	AA	0.0033 µF,50V
C22	VCKYTV1HB221K	J	AA	220 pF,50V
C23	VCKYTV1HB272K	J	AA	0.0027 µF,50V
C24	VCKYTV1HB221K	J	AA	220 pF,50V
C25	VCCCTV1HH270J	J	AA	27 pF (CH),50V
C26	VCKYTV1HB333K	J	AA	0.033 µF,50V
C27	VCKYTV1HB392K	J	AA	0.0039 µF,50V
C28	VCKYTV1EB104K	J	AA	0.1 µF,25V
C29	VCEAPS475AF1E	J	AB	4.7 µF,25V,Electrolytic
C30	VCKYTV1EB104K	J	AA	0.1 µF,25V
C31	VCEAPS227AF0G	J	AC	220 µF,4V,Electrolytic
C32	VCKYTV1HB103K	J	AA	0.01 µF,50V
C33	VCEAPS474AF1H	J	AB	0.47 µF,50V,Electrolytic
C34	VCEAPS334AF1H	J		0.33 µF,50V,Electrolytic
C35	VCEAPS105AF1H	J	AB	1 µF,50V,Electrolytic
C36	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
C37	VCKYTV1HF223Z	J	AA	0.022 µF,50V
C38,39	VCKYTV1HB103K	J	AA	0.01 µF,50V
C40	VCKYTV1EB104K	J	AA	0.1 µF,25V
C41	VCEAPS475AF1E	J	AB	4.7 µF,25V,Electrolytic
C44~49	VCKYTV1HB101K	J	AA	100 pF,50V
C50	VCKYTV1HF223Z	J	AA	0.022 µF,50V
C51,52	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
C54	VCKYTV1HB102K	J	AA	0.001 µF,50V
C55	VCEAPS107AF1C	J	AC	100 µF,16V,Electrolytic
C56	VCKYTV1HF223Z	J	AA	0.022 µF,50V
C58	VCKYTV1HB221K	J	AA	220 pF,50V
C59	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
C75	VCKYTV1HB102K	J	AA	0.001 µF,50V
C76	VCKYTV1HF223Z	J	AA	0.022 µF,50V
C77	VCEAPS107AF1C	J	AC	100 µF,16V,Electrolytic
C82	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
C101,102	VCKYMN1HB102K	J	AA	0.001 µF,50V
C105,106	VCKYMN1HB181K	J	AA	180 pF,50V
C107,108	VCKYMN1HB102K	J	AA	0.001 µF,50V
C109	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C111~114	VCKYMN1HB331K	J	AA	330 pF,50V
C115,116	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C117,118	VCTYPA1EX333K	J	AA	0.033 µF,25V
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V
C121	RC-EZD105AF1H	J	AB	1 µF,50V,Electrolytic
C122	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C127	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C128	RC-EZD335AF1H	J	AB	3.3 µF,50V,Electrolytic
C131,132	VCKYMN1HB102K	J	AA	0.001 µF,50V
C133,134	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C135,136	VCTYPA1CX683K	J	AA	0.068 µF,16V
C137	VCKYBT1HB102K	J	AA	0.001 µF,50V
C139,140	VCTYMN1CX332K	J	AA	0.0033 µF,16V
C141,142	RC-EZD105AF1H	J	AB	1 µF,50V,Electrolytic
C145	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C146	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
C147	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C150	VCQYKA1HM392K	J	AA	0.0039 µF,50V,Mylar
C151	VCQYKA1HM273K	J	AB	0.027 µF,50V,Mylar
C152	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C153	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C301	VCKYMN1HB102K	J	AA	0.001 µF,50V
C321	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic
C323	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C330	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C331	VCKYPA1HF473Z	J	AB	0.047 µF,50V
C332	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C334	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V
C335	VCCSPA1HL561J	J	AA	560 pF,50V
C337	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C338	VCKYMN1HB102K	J	AA	0.001 µF,50V
C341	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C342	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C343	VCCSMN1HL330J	J	AA	33 pF,50V
C345~347	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C350	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C351	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C352	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C353	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C354	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C355	VCCSMN1HL220J	J	AA	22 pF,50V
C356	VCKYMN1HB102K	J	AA	0.001 µF,50V
C357	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C358	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C361	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C362	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C363	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C364	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C365	VCTYPA1CX223K	J	AA	0.022 µF,16V
C366	VCKYMN1HB102K	J	AA	0.001 µF,50V
C367	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C368	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C370~372	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C373,374	VCTYPA1CX333K	J	AA	0.033 µF,16V
C375	VCEAZA1HW335M	J	AB	3.3 µF,50V,Electrolytic
C380	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C384	VCKYMN1HB102K	J	AA	0.001 µF,50V
C385	VCTYMN1CY103K	J	AA	0.01 µF,16V
C386	VCKYMN1HB331K	J	AA	330 pF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C391	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C392	VCKYMN1HB102K	J	AA	0.001 µF,50V
C393	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C394	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C396	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C397	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C398	VCEAZA1AW107M	J	AB	100 µF,10V,Electrolytic
C399	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C401,402	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C403,404	VCQYKA1HM823K	J	AC	0.082 µF,50V,Mylar
C405,406	VCEAEA1HW224M	J	AB	0.22 µF,50V,Electrolytic
C407,408	VCQYKA1HM184K	J	AC	0.18 µF,50V,Mylar
C409,410	VCQYKA1HM683K	J	AB	0.068 µF,50V,Mylar
C411,412	VCEAEA1HW224M	J	AB	0.22 µF,50V,Electrolytic
C413,414	VCQYKA1HM273K	J	AB	0.027 µF,50V,Mylar
C415,416	VCTYMN0JY153M	J	AA	0.015 µF,6.3V
C417	VCQYKA1HM222K	J	AA	0.0022 µF,50V,Mylar
C418	VCTYMN1CX222K	J	AA	0.0022 µF,16V
C419,420	VCQYKA1HM472K	J	AB	0.0047 µF,50V,Mylar
C421	RC-EZD105AF1H	J	AB	1 µF,50V,Electrolytic
C422	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C423~426	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C427,428	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C429,430	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C431,432	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C433,434	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C435	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C436~438	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C439~442	VCKYMN1HB102K	J	AA	0.001 µF,50V
C443	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C444	RC-EZD105AF1H	J	AB	1 µF,50V,Electrolytic
C445,446	VCKYMN1HB101K	J	AA	100 pF,50V
C447,448	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C449~458	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C459	VCEAZA1CW107M	J	AC	100 µF,16V,Electrolytic

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C460	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C461~464	VCKYMN1HB391K	J	AA	390 pF,50V
C465	VCKYPA1HB102K	J	AA	0.001 µF,50V
C471	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C472	VCCSPA1HL101J	J	AA	100 pF,50V
C473	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C474	VCQYKA1HM154K	J	AB	0.15 µF,50V,Mylar
C475	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C476	VCQYKA1HM154K	J	AB	0.15 µF,50V,Mylar
C477	VCCSPA1HL101J	J	AA	100 pF,50V
C478	VCQYKA1HM823K	J	AC	0.082 µF,50V,Mylar
C479	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C480	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C481	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C482	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C484	VCKYMN1HB102K	J	AA	0.001 µF,50V
C501	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C502,503	VCEAZA1HW105M	J	AB	1 µF,50V,Electrolytic
C504	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C505	VCEAEA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C506	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C507	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C508	VCKYMN1HB681K	J	AA	680 pF,50V
C509	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C510,511	VCEAEA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C512,513	VCEAEA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C514	VCQYKA1HM823K	J	AC	0.082 µF,50V,Mylar
C515	VCQYKA1HM332K	J	AA	0.0033 µF,50V,Mylar
C516	VCEAZA1HW154M	J	AB	0.15 µF,50V,Electrolytic
C517	VCQYKA1HM823K	J	AC	0.082 µF,50V,Mylar
C518	RC-EZD335AF1H	J	AB	3.3 µF,50V,Electrolytic
C519	VCEAEA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C520	VCEAZA1HW154M	J	AB	0.15 µF,50V,Electrolytic
C521	VCEAEA1HW334M	J	AB	0.33 µF,50V,Electrolytic
C522	VCEAZA1HW154M	J	AB	0.15 µF,50V,Electrolytic
C523,524	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C525	RC-EZD335AF1H	J	AB	3.3 µF,50V,Electrolytic
C526	VCEAZA1HW154M	J	AB	0.15 µF,50V,Electrolytic
C527	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C528	VCEAEA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C529	VCEAEA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C530	VCEAEA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C531	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C532	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
C533	VCEAEA1HW474M	J	AB	0.47 µF,50V,Electrolytic
C534	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C535~538	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C539	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
C540	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C541,542	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
C543	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C544	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
C546	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C547	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C549~551	VCKYMN1HB101K	J	AA	100 pF,50V
C563	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C601,602	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C603,604	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C605,606	VCCSPA1HL101J	J	AA	100 pF,50V
C607	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C609,610	VCCSPA1HL101J	J	AA	100 pF,50V
C611,612	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C613	VCEAZA1CW227M	J	AC	220 µF,16V,Electrolytic
C614	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C615~618	VCKYMN1HB102K	J	AA	0.001 µF,50V
C621	VCKYMN1HB102K	J	AA	0.001 µF,50V
C627	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C651	VCKYMN1HB271K	J	AA	270 pF,50V
C652	VCKYPA1HB103K	J	AA	0.01 µF,50V
C653	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C655,656	VCTYMN1CX682K	J	AA	0.0068 µF,16V
C657	VCKYMN1HB271K	J	AA	270 pF,50V
C659	VCTYMN1CX272K	J	AA	0.0027 µF,16V
C661~663	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C664~666	VCEAZA1HW225M	J	AB	2.2 µF,50V,Electrolytic
C667	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C702	RC-EZD105AF1H	J	AB	1 µF,50V,Electrolytic
C703,704	VCKYMN1HB102K	J	AA	0.001 µF,50V
C705	VCEAZA1EW476M	J	AB	47 µF,25V,Electrolytic
C706	RC-EZD105AF1H	J	AB	1 µF,50V,Electrolytic
C707	VCCCMN1HH150J	J	AA	15 pF (CH),50V
C708	VCCSMN1HL180J	J	AA	18 pF,50V
C709	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C710	VCEAZA0JW108M	J	AC	1000 µF,6.3V,Electrolytic
C711	VCTYMN1CY103N	J	AA	0.01 µF,16V
C712	RC-EZD335AF1H	J	AB	3.3 µF,50V,Electrolytic
C713,714	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C715,716	RC-EZD476AF1C	J	AC	47 µF,16V,Electrolytic
C717	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C718	RC-EZD476AF1C	J	AC	47 µF,16V,Electrolytic
C719	VCTYMN1EF223Z	J	AA	0.022 µF,25V
C721	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C722	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C723	RC-EZD104AF1H	J	AB	0.1 µF,50V,Electrolytic
C801	VCEAZW1HW228M	J	AH	2200 µF,50V,Electrolytic
C802	VCEAZA1VW107M	J	AC	100 µF,35V,Electrolytic
C803,804	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C805,806	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C807~810	VCQYKA1HM473K	J	AB	0.047 µF,50V,Mylar
C811	VCEAZV1HW227M	J	AD	220 µF,50V,Electrolytic
C812,813	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C814	VCKZPA1HF473Z	J	AA	0.047 µF,50V
C815	VCEAZV1VW477M	J		470 µF,35V,Electrolytic
C816	VCEAZA1CW106M	J	AC	10 µF,16V,Electrolytic
C817	VCEAEA1HW475M	J	AB	4.7 µF,50V,Electrolytic
C818	VCEAZA0JW108M	J	AC	1000 µF,6.3V,Electrolytic
C819,820	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C821	VCEAZA1CW476M	J	AB	47 µF,16V,Electrolytic
C822	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C823	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C824	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C825	VCEAZW1EW338M	J	AG	3300 µF,25V,Electrolytic
⚠ C826	RC-KZ001LAWZZ	J	AB	0.0047 µF,250VAC,Ceramic
C827	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C828	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C829	VCEAZA1EW227M	J	AC	220 µF,25V,Electrolytic
C901	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C902	VCCSPA1HL221J	J	AA	220 pF,50V
C903	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C904	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C905	VCCSPA1HL221J	J	AA	220 pF,50V
C906	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C907	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C908	VCKYPA1HB102K	J	AA	0.001 µF,50V
C909,910	VCEAZW1HW228M	J	AH	2200 µF,50V,Electrolytic
C911,912	VCEAZA1HW107M	J	AC	100 µF,50V,Electrolytic
C915	VCCSPA1HL470J	J	AA	47 pF,50V
C916	VCCSPA1HL150J	J	AA	15 pF,50V
C917,918	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C919	VCTYPA1EX152K	J	AA	0.0015 µF,25V
C920	VCKYPA1HB561K	J	AA	560 pF,50V
C921,922	VCEAEA1HW105M	J	AB	1 µF,50V,Electrolytic
C923	VCCSPA1HL470J	J	AA	47 pF,50V
C924	VCCSPA1HL150J	J	AA	15 pF,50V
C925	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C926	VCCSPA1HL470J	J	AA	47 pF,50V
C927,928	VCEAZA1VW476M	J	AC	47 µF,35V,Electrolytic
C929	VCCSPA1HL150J	J	AA	15 pF,50V
C933	VCEAZA1VW227M	J	AC	220 µF,35V,Electrolytic
C934~937	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C938	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C940	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C941	VCKZPA1HF223Z	J	AA	0.022 µF,50V
C942,943	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C944	VCEAZV1EW108M	J	AE	1000 µF,25V,Electrolytic
C945	VCEAZV1EW228M	J	AG	2200 µF,25V,Electrolytic
C949,950	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C959,960	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
C976	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C978	VCEAZA1HW476M	J	AB	47 µF,50V,Electrolytic
C979	VCEAZA1HW106M	J	AB	10 µF,50V,Electrolytic
C981	VCEAZA1EW226M	J	AB	22 µF,25V,Electrolytic
C987	VCQYKA1HM104K	J	AB	0.1 µF,50V,Mylar
CV1	VCEAPS476AF0J	J	AC	47 µF,6.3V,Electrolytic
CV2	VCKYTV1HF223Z	J	AA	0.022 µF,50V
CV3	VCKYTV1CF224Z	J	AB	0.22 µF,16V
CV4	VCEAPS476AF0J	J	AC	47 µF,6.3V,Electrolytic
CV5	VCKYTV1HF223Z	J	AA	0.022 µF,50V
CV6,7	VCCCTV1HH270J	J	AA	27 pF (CH),50V
CV9	VCKYTV1HF223Z	J	AA	0.022 µF,50V
CV10	VCEAPS476AF0J	J	AC	47 µF,6.3V,Electrolytic
CV11,12	VCKYTV1HF223Z	J	AA	0.022 µF,50V
CV13,14	VCKYTV1EB104K	J	AA	0.1 µF,25V
CV15	VCEAPS475AF1E	J	AB	4.7 µF,25V,Electrolytic

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CV16	VCKYTV1EB104K	J	AA	0.1 µF,25V
CV17	VCKYTV1HB103K	J	AA	0.01 µF,50V
CV18	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
CV19~21	VCKYTV1HF223Z	J	AA	0.022 µF,50V
CV22,23	VCEAPS476AF0J	J	AC	47 µF,6.3V,Electrolytic
CV24,25	VCKYTV1HF223Z	J	AA	0.022 µF,50V
CV26,27	VCKYTV1HB561K	J	AA	560 pF,50V
CV28~31	VCCSTV1HL181J	J	AA	180 pF,50V
CV32	VCKYTV1EF104Z	J	AA	0.1 µF,25V
CV33	VCEAPS337AF0J	J	AC	330 µF,6.3V,Electrolytic
CV34,35	VCEAPS106AF1C	J	AB	10 µF,16V,Electrolytic
CV36,37	VCCCTV1HH470J	J	AA	47 pF (CH),50V
CV38,39	VCEAPS107AF1A	J	AD	100 µF,10V,Electrolytic
CV40	VCEAPS226AF0J	J	AB	22 µF,6.3V,Electrolytic
CV41	VCEAPS475AF1E	J	AB	4.7 µF,25V,Electrolytic

RESISTORS

	VRD-MN2BD000C	J	AA	0 ohm,Jumper,ø1.4×3.5mm,Ivory
MJ705	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R1	VRS-TV2AB120J	J	AA	12 ohms,1/10W
R2~5	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R6	VRS-TV2AB153J	J	AA	15 kohms,1/10W
R8	VRS-TV2AB153J	J	AA	15 kohms,1/10W
R9	VRS-TV2AB104J	J	AA	100 kohm,1/10W
R10	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R11	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
R12	VRS-TV2AB101J	J	AA	100 ohm,1/10W
R13	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R14	VRS-TV2AB273J	J	AA	27 kohms,1/10W
R15	VRS-TV2AB123J	J	AA	12 kohms,1/10W
R16	VRS-TV2AB332J	J	AA	3.3 kohms,1/10W
R17	VRS-TV2AB333J	J	AA	33 kohms,1/10W
R18	VRS-CY1JB153J	J	AA	15 kohms,1/16W
R19,20	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R21	VRS-TV2AB152J	J	AA	1.5 kohms,1/10W
R22	VRS-TV2AB821J	J	AA	820 ohms,1/10W
R23	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R24	VRS-TV2AB473J	J	AA	47 kohms,1/10W
R25	VRS-TV2AB152J	J	AA	1.5 kohms,1/10W
R26	VRS-TV2AB823J	J	AA	82 kohms,1/10W
R27	VRS-TV2AB393J	J	AA	39 kohms,1/10W
R28	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R29	VRS-TV2AB563J	J	AA	56 kohms,1/10W
R30	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
R31	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R32	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R33	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
R34	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R35,36	VRS-TV2AB224J	J	AA	220 kohms,1/10W
R37	VRS-TV2AB823J	J	AA	82 kohms,1/10W
R38	VRS-TV2AB471J	J	AA	470 ohms,1/10W
R39	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R40	VRS-TV2AB562J	J	AA	5.6 kohms,1/10W
R41,42	VRS-TV2AB473J	J	AA	47 kohms,1/10W
R43	VRS-TV2AB563J	J	AA	56 kohms,1/10W
R44	VRS-TV2AB333J	J	AA	33 kohms,1/10W
R45	VRS-TV2AB472J	J	AA	4.7 kohms,1/10W
R46	VRS-TV2AB561J	J	AA	560 ohms,1/10W
R47	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R48	VRS-TV2AB335J	J	AA	3.3 Mohms,1/10W
R49	VRS-TV2AB101J	J	AA	100 ohm,1/10W
R50	VRS-TV2AB681J	J	AA	680 ohms,1/10W
R51	VRS-TV2AB335J	J	AA	3.3 Mohms,1/10W
R52	VRS-TV2AB683J	J	AA	68 kohms,1/10W
R53	VRS-TV2AB471J	J	AA	470 ohms,1/10W
R54	VRS-TV2AB103J	J	AA	10 kohm,1/10W
R56	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
R57~63	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R64	VRS-TV2AB220J	J	AA	22 ohms,1/10W
R66	VRS-TV2AB221J	J	AA	220 ohms,1/10W
R67~69	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R70	VRS-TV2AB101J	J	AA	100 ohm,1/10W
R75~78	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R80,81	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R82,83	VRS-TV2AB152J	J	AA	1.5 kohms,1/10W
R84	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
R90	VRS-TV2AB221J	J	AA	220 ohms,1/10W
R91	VRS-TV2AB102J	J	AA	1 kohm,1/10W
R101,102	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R103,104	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R105,106	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R107,108	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R109,110	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R111	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R112~114	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R115	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R117,118	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R119,120	VRD-ST2CD560J	J	AA	56 ohms,1/6W
R121,122	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R123,124	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R125,126	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R131	VRD-MN2BD183J	J	AA	18 kohms,1/8W
R132	VRD-ST2CD183J	J	AA	18 kohms,1/6W
R134	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R135,136	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R137,138	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R139,140	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R141,142	VRD-MN2BD560J	J	AA	56 ohms,1/8W
R145,146	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R153	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R154	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R158	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R160	VRD-RT2HD151J	J	AA	150 ohms,1/2W
R162	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R164	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R166	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R167	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R168	VRD-MN2BD120J	J	AA	12 ohms,1/8W
R174	VRD-RT2HD151J	J	AA	150 ohms,1/2W
R181,182	VRD-ST2CD224J	J	AA	220 kohms,1/6W
R323	VRD-MN2BD683J	J	AA	68 kohms,1/8W
R336	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R344	VRD-MN2BD471J	J	AA	470 ohms,1/8W
R345	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R350	VRD-ST2CD272J	J	AA	2.7 kohms,1/6W
R351	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms,1/8W
R354	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R355	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R357	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R358	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R359	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R360	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R361,362	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R363,364	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R365,366	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R367	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R368	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R369	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R371~374	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R375	VRD-ST2EE680J	J	AA	68 ohms,1/4W
R376	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R377	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R378	VRD-MN2BD823J	J	AA	82 kohms,1/8W
R379	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R381	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms,1/4W
R383~385	VRD-MN2BD562J	J	AA	5.6 kohms,1/8W
R387	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R391,392	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R393	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R395	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R398	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
R401,402	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R403,404	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R405,406	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R407,408	VRD-MN2BD182J	J	AA	1.8 kohms,1/8W
R409	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R410	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R411~413	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R414	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R415	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R416	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R417	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R418	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R419,420	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R421,422	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R423	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R424	VRD-ST2CD224J	J	AA	220 kohms,1/6W

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R425	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R426~428	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R429~432	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R433	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R434	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R435,436	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R437~440	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R441~443	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R444	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R445~448	VRD-ST2CD331J	J	AA	330 ohms,1/6W
R449,450	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R471,472	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R473	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R474	VRD-MN2BD153J	J	AA	15 kohms,1/8W
R475	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
R476	VRD-ST2CD273J	J	AA	27 kohms,1/6W
R477	VRD-MN2BD273J	J	AA	27 kohms,1/8W
R478	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
R479	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R480	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
R481	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R482	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R483	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R484	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R501,502	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R503	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R504	VRD-MN2BD105J	J	AA	1 Mohm,1/8W
R505,506	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R507	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R508	VRD-MN2BD393J	J	AA	39 kohms,1/8W
R509	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R510	VRD-MN2BD183J	J	AA	18 kohms,1/8W
R511	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R512	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R513	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R514	VRD-MN2BD331J	J	AA	330 ohms,1/8W
R515	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R516~518	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R519	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R520	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R521~523	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R601~604	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R605,606	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R607,608	VRD-MN2BD222J	J	AA	2.2 kohms,1/8W
R609	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R610	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R611,612	VRD-MN2BD561J	J	AA	560 ohms,1/8W
R613	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R614	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R615	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R616,617	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R618	VRD-MN2BD123J	J	AA	12 kohms,1/8W
R619	VRD-MN2BD270J	J	AA	27 ohms,1/8W
R620	VRD-ST2CD270J	J	AA	27 ohms,1/6W
R621,622	VRD-MN2BD272J	J	AA	2.7 kohms,1/8W
R623	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R624	VRD-MN2BD223J	J	AA	22 kohms,1/8W
R625	VRD-MN2BD220J	J	AA	22 ohms,1/8W
R626	VRD-ST2CD220J	J	AA	22 ohms,1/6W
R627	VRD-ST2CD101J	J	AA	100 ohm,1/6W
R651	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R652	VRD-MN2BD333J	J	AA	33 kohms,1/8W
R653	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R654	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R655	VRD-MN2BD563J	J	AA	56 kohms,1/8W
R656	VRD-ST2CD474J	J	AA	470 kohms,1/6W
R657	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R658	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R659	VRD-MN2BD564J	J	AA	560 kohms,1/8W
R660	VRD-MN2BD394J	J	AA	390 kohms,1/8W
R661	VRD-MN2BD274J	J	AA	270 kohms,1/8W
R662	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R663	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R664	VRD-MN2BD224J	J	AA	220 kohms,1/8W
R665	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R666	VRD-MN2BD225J	J	AA	2.2 Mohms,1/8W
R668	VRD-ST2CD225J	J	AA	2.2 Mohms,1/6W
R670	VRD-ST2EE331J	J	AA	330 ohms,1/4W
R672	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R674	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R700	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R701~703	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R704~708	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R709~711	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R712	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R713,714	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R715	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R716	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R719	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R723	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R725	VRD-ST2EE391J	J	AA	390 ohms,1/4W
R726,727	VRD-ST2CD822J	J	AA	8.2 kohms,1/6W
R728,729	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R730~732	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R733,734	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R735	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
R736,737	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R738	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R739	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R740~744	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R745	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R746	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R747	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R748~750	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R751	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
R752~754	VRD-MN2BD822J	J	AA	8.2 kohms,1/8W
R755~757	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R758	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
R759,760	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R762~768	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R769	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R770~772	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R773,774	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R775~779	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R780,781	VRD-MN2BD103J	J	AA	10 kohm,1/8W
R782,783	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R784~789	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R790	VRD-ST2CD330J	J	AA	33 ohms,1/6W
R791~793	VRD-MN2BD102J	J	AA	1 kohm,1/8W
R795	VRD-MN2BD473J	J	AA	47 kohms,1/8W
R797	VRD-MN2BD104J	J	AA	100 kohm,1/8W
R798	VRD-ST2EE101J	J	AA	100 ohm,1/4W
R799	VRD-MN2BD472J	J	AA	4.7 kohms,1/8W
R801	VRD-ST2CD123J	J	AA	12 kohms,1/6W
R804	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R806	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
R807	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R808	VRD-ST2EE221J	J	AA	220 ohms,1/4W
R809,810	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R812	VRD-ST2CD100J	J	AA	10 ohm,1/6W
R901	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R902	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R903	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R904	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R905	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R906	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R907	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R908	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R909	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R910,911	VRD-ST2EE223J	J	AA	22 kohms,1/4W
⚠ R912,913	VRG-ST2EC101J	J	AB	100 ohm,1/4W,Fusible
R916	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R917	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R918	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R919	VRD-ST2CD333J	J	AA	33 kohms,1/6W
R920	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R921	VRD-ST2CD223J	J	AA	22 kohms,1/6W
R922	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R923	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R924~926	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R927	VRD-ST2CD471J	J	AA	470 ohms,1/6W
R928,929	VRD-ST2CD221J	J	AA	220 ohms,1/6W
R930	VRD-ST2CD563J	J	AA	56 kohms,1/6W
R931	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R932	VRD-ST2CD183J	J	AA	18 kohms,1/6W
R933	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R934	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R937	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R940	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R941,942	VRD-RT2HD271J	J	AA	270 ohms,1/2W
R944	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R949	VRD-ST2EE4R7J	J	AA	4.7 ohms,1/4W
R955	VRD-ST2CD103J	J	AA	10 kohm,1/6W
R956	VRD-ST2CD562J	J	AA	5.6 kohms,1/6W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R957	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R959	VRD-ST2CD392J	J	AA	3.9 kohms,1/6W
R960	VRD-ST2CD104J	J	AA	100 kohm,1/6W
R961	VRD-ST2CD393J	J	AA	39 kohms,1/6W
R963	VRS-VV3DA821J	J	AC	820 ohms,2W
R964,965	VRD-ST2CD472J	J	AA	4.7 kohms,1/6W
R966	VRD-ST2CD153J	J	AA	15 kohms,1/6W
R967	VRD-ST2CD683J	J	AA	68 kohms,1/6W
R968	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R969	VRD-RT2HD121J	J	AA	120 ohms,1/2W
R979,980	VRD-ST2CD102J	J	AA	1 kohm,1/6W
R981	VRD-ST2CD473J	J	AA	47 kohms,1/6W
R982	VRD-ST2CD274J	J	AA	270 kohms,1/6W
RD01	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD02	VRD-ST2CD122J	J	AA	1.2 kohms,1/6W
RD03	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD04	VRD-MN2BD123J	J	AA	12 kohms,1/8W
RD05	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
RD06	VRD-MN2BD123J	J	AA	12 kohms,1/8W
RD07	VRD-ST2CD223J	J	AA	22 kohms,1/6W
RD09	VRD-MN2BD683J	J	AA	68 kohms,1/8W
RD10	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD11	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD12	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RD13	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
RD14	VRD-ST2CD222J	J	AA	2.2 kohms,1/6W
RD15	VRD-MN2BD332J	J	AA	3.3 kohms,1/8W
RD16	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD17	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
RD18	VRD-MN2BD123J	J	AA	12 kohms,1/8W
RD19	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RD20	VRD-MN2BD683J	J	AA	68 kohms,1/8W
RD21	VRD-MN2BD821J	J	AA	820 ohms,1/8W
RD22	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RD23	VRD-MN2BD152J	J	AA	1.5 kohms,1/8W
RD24	VRD-ST2CD182J	J	AA	1.8 kohms,1/6W
RD27	VRD-MN2BD392J	J	AA	3.9 kohms,1/8W
RD28	VRD-MN2BD682J	J	AA	6.8 kohms,1/8W
RD29	VRD-ST2CD123J	J	AA	12 kohms,1/6W
RD30	VRD-MN2BD223J	J	AA	22 kohms,1/8W
RD31	VRD-MN2BD683J	J	AA	68 kohms,1/8W
RD32	VRD-ST2CD332J	J	AA	3.3 kohms,1/6W
RS701~706	VRD-MN2BD471J	J	AA	470 ohms,1/8W
RS707	VRD-ST2CD471J	J	AA	470 ohms,1/6W
RS708~710	VRD-MN2BD471J	J	AA	470 ohms,1/8W
RS711	VRD-ST2CD152J	J	AA	1.5 kohms,1/6W
RS712	VRD-MN2BD122J	J	AA	1.2 kohms,1/8W
RV1	VRS-TV2AB103J	J	AA	10 kohm,1/10W
RV2	VRS-TV2AB472J	J	AA	4.7 kohms,1/10W
RV6~15	VRS-TV2AB102J	J	AA	1 kohm,1/10W
RV16,17	VRS-TV2AB122J	J	AA	1.2 kohms,1/10W
RV18~20	VRS-TV2AB102J	J	AA	1 kohm,1/10W
RV21	VRS-TV2AB271J	J	AA	270 ohms,1/10W
RV22	VRS-TV2AB102J	J	AA	1 kohm,1/10W
RV23~36	VRS-TV2AB271J	J	AA	270 ohms,1/10W
RV37~50	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W
RV56~59	VRS-TV2AB392J	J	AA	3.9 kohms,1/10W
RV60	VRS-TV2AB101J	J	AA	100 ohm,1/10W
RV61	VRS-TV2AB104J	J	AA	100 kohm,1/10W
RV62,63	VRS-TV2AB151J	J	AA	150 ohms,1/10W
RV64~67	VRS-TV2AB822J	J	AA	8.2 kohms,1/10W
RV68~71	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
RV72~75	VRS-TV2AB103J	J	AA	10 kohm,1/10W
RV76,77	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
RV78,79	VRS-TV2AB473J	J	AA	47 kohms,1/10W
RV81	VRS-TV2AB473J	J	AA	47 kohms,1/10W
RV82	VRS-TV2AB273J	J	AA	27 kohms,1/10W
RV83	VRS-TV2AB101J	J	AA	100 ohm,1/10W
RV84	VRS-TV2AB472J	J	AA	4.7 kohms,1/10W
RV85	VRS-TV2AB103J	J	AA	10 kohm,1/10W
RV86	VRS-TV2AB472J	J	AA	4.7 kohms,1/10W
RV87~89	VRS-TV2AB222J	J	AA	2.2 kohms,1/10W
RV93,94	VRS-TV2AB103J	J	AA	10 kohm,1/10W
RV95	VRS-TV2AB682J	J	AA	6.8 kohms,1/10W
RV96	VRS-TV2AB333J	J	AA	33 kohms,1/10W

OTHER CIRCUITRY PARTS

BI401/CNS11	QCNWN1462AWZZ	J	AH	Connector Ass'y,6/6Pin
BI701/CNSM1	QCNWN0907AWZZ	J	AC	Connector Ass'y,8/12Pin
BI702/CNS12	QCNWN1381AWZZ	J	AL	Connector Ass'y,15/15Pin

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
BI703/CNS806	QCNWN1475AWZZ	J	AF	Connector Ass'y,7/7Pin
BI801	QCNWN1480AWZZ	J	AD	Connector Ass'y,2Pin
BIM5/CNS10/CNS5	QCNWN1184AWZZ	J	AL	Connector Ass'y,6/10/2Pin
CNP1	92LCONE5P53253	J	AB	Plug,5Pin
CNP2	QCNCM705HAFZZ	J	AB	Plug,8Pin
CNP3	92LCONE6P53253	J	AC	Plug,6Pin
CNP3A	92LCONE6P53254	J	AC	Plug,6Pin
CNP10	QCNCM705KAWZZ	J	AC	Plug,10Pin
CNP11	QCNCM704FAWZZ	J	AC	Plug,6Pin
CNP12	QCNCM704QAWZZ	J	AG	Plug,15Pin
CNP101	92LCONE3P53253	J	AB	Plug,3Pin
CNP102	92LCONE7P53253	J	AC	Plug,7Pin
CNP303	QCNCW010JAWZZ	J	AC	Plug,9Pin
CNP501	QCNCW010QAWZZ	J	AE	Socket,15Pin
CNP502	QCNCWZG25AWZZ	J	AE	Socket,25Pin
CNP601	92LCONE5P52287	J	AC	Socket,5Pin
CNP701	QCNCWZF25AWZZ	J	AE	Socket,25Pin
CNP800	92LCONE2P5267	J		Plug,2Pin
CNP801	QCNCM036EAWZZ	J	AF	Plug,5Pin
CNP802	QCNCM035GAWZZ	J	AC	Plug,7Pin
CNP803	QCNCM010QAWZZ	J	AD	Plug,15Pin
CNP804	92LCONE2P5267	J		Plug,2Pin
CNP805	QCNCM046CAWZZ	J	AD	Plug,3Pin
CNP806	92LCONE7P53253	J	AC	Plug,7Pin
CNPM1	QCNCM932MAFZZ	J	AE	Plug,12Pin
CNPM2	QCNCM030BAWZZ	J	AB	Pin Header,2Pin
CNPV2	QCNCM704DAWZZ	J		Plug,4Pin
CNPV3	QCNCM704BAFZZ	J	AA	Plug,2Pin
CNPV4	92LCONE2P53253	J	AB	Plug,2Pin
CNS1A/B	QCNWN1181AWZZ	J	AK	Connector Ass'y,5/5Pin
CNS2A/B	QCNWN1182AWZZ	J	AH	Connector Ass'y,8/8Pin
CNS3A/B	QCNWN1183AWZZ	J	AG	Connector Ass'y,6/6Pin
CNS101	QCNWN1187AWZZ	J	AG	Connector Ass'y,3Pin
CNS102	QCNWN1188AWZZ	J	AM	Connector Ass'y,7Pin
CNS303	QCNCM010JAWZZ	J	AC	Socket,9Pin
CNS800	QCNWN1517AWZZ	J		Connector Ass'y,2Pin
CNS801	QCNCM036BAWZZ	J	AC	Connector Ass'y,5Pin
CNS804	QCNWN1463AWZZ	J	AC	Connector Ass'y,2Pin
CNSV2	QCNWN1519AWZZ	J		Connector Ass'y,4Pin
CNSV3A/B	QCNWN1524AWZZ	J		Connector Ass'y,2/2Pin
⚠ F802,803	92LFUSET502E	J		Fuse,T5A L 250V
⚠ F804	92LFUSET312E	J	AD	Fuse,T3.15A L 250V
⚠ F805	92LFUSET162E	J		Fuse,T1.6A L 250V
⚠ F901~903	92LFUSET312E	J	AD	Fuse,T3.15A L 250V
FE301	RTUNS0008AWZZ	J	AN	FM Front End
FFC701	QCNWN1461AWZZ	J	AG	Flat Cable,25Pin
FL701	VVKBJ685GNK-1	J	AV	FL Display
FW601	QCNWN1477AWZZ	J	AD	Flat Wire,5Pin
FW701	QCNWN1092AWZZ	J	AE	Flat Wire,6Pin
FWM1	QCNWN1274AWZZ	J	AC	Flat Wire,2Pin
FWM2	QCNWN0338AWZZ	J	AD	Flat Wire,2Pin
JK401	QSOCJ0409AWZZ	J		Jack,Video In
JK601	QJAKM0004AWZZ	J	AK	Jack,Headphones
JKV1	QSOCJ0110AWZZ	J		Jack,Video Out
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
M3	RMOTV0373AFZZ	J	AL	Motor with Worm Pulley [T/T Up/Down Loading]
M901,902	92LMTR1810A	J	AK	Motor,Air Cooling Fan
MM1(260-7)	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
PHM1	VHPI31535CD-1	J	AG	Photo Interrupter
⚠ RL801	RRLYD0011AWZZ	J	AE	Relay
⚠ RL901,902	RRLYD0004AWZZ	J	AP	Relay
RX701	VHLN63H380A-1	J	AK	Remote Sensor,N63H380A
SO301	QTANC0301AWZZ	J	AH	Terminal,Antenna
SO901	QTANA1201AWZZ	J	AM	Terminal,Speaker
SOLM1(260-8)	RPLU-0002AWZZ	J	AH	Solenoid Ass'y [Tape]
SOLM2	RPLU-0002AWZZ	J	AH	Solenoid Ass'y [CD]
SW1	QSW-P0004AWZZ	J	AE	Switch,Push Type [Open/Close]
SW2	QSW-F0001AWZZ	J	AD	Switch,Leaf/Skeleton Type [Mecha Up]
SW3	QSW-P0005AWZZ	J	AD	Switch,Push Type [Disc Number]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]
SW701	92LSWICH1401AT	J	AC	Switch,Key Type [ON/Stand-by]
SW702	92LSWICH1401AT	J	AC	Switch,Key Type [Book Mark]
SW703	92LSWICH1401AT	J	AC	Switch,Key Type [Clock]
SW704	92LSWICH1401AT	J	AC	Switch,Key Type [Timer/Sleep]
SW705	92LSWICH1401AT	J	AC	Switch,Key Type [Disc 1]
SW706	92LSWICH1401AT	J	AC	Switch,Key Type [Disc 2]
SW707	92LSWICH1401AT	J	AC	Switch,Key Type [Disc 3]
SW708	92LSWICH1401AT	J	AC	Switch,Key Type [Disc Skip]
SW709	92LSWICH1401AT	J	AC	Switch,Key Type [Open/Close]

CD-PC1881V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SW710	92LSWICH1401AT	J	AC	Switch,Key Type [Rewind]
SW711	92LSWICH1401AT	J	AC	Switch,Key Type [Record/Pause]
SW712	92LSWICH1401AT	J	AC	Switch,Key Type [Memory/Set]
SW713	92LSWICH1401AT	J	AC	Switch,Key Type [Stop]
SW714	92LSWICH1401AT	J	AC	Switch,Key Type [Tuner/Band]
SW715	92LSWICH1401AT	J	AC	Switch,Key Type [Video]
SW716	92LSWICH1401AT	J	AC	Switch,Key Type [Tape]
SW717	92LSWICH1401AT	J	AC	Switch,Key Type [CD]
SW718	92LSWICH1401AT	J	AC	Switch,Key Type [Audio Mode]
SW719	92LSWICH1401AT	J	AC	Switch,Key Type [Playback Control]
SW720	92LSWICH1401AT	J	AC	Switch,Key Type [On Screen Display]
SW721	92LSWICH1401AT	J	AC	Switch,Key Type [Digest]
SW722	92LSWICH1401AT	J	AC	Switch,Key Type [Fast Forward]
SW723	92LSWICH1401AT	J	AC	Switch,Key Type [Tuning Up]
SW724	92LSWICH1401AT	J	AC	Switch,Key Type [Tuning Down]
SW725	92LSWICH1401AT	J	AC	Switch,Key Type [Play]
SW728	92LSWICH1401AT	J	AC	Switch,Key Type [X-Bass/Demo]
SW729	92LSWICH1401AT	J	AC	Switch,Key Type [Equalizer]
SW730	92LSWICH1401AT	J	AC	Switch,Key Type [Dimmer]
SW731	92LSWICH1401AT	J	AC	Switch,Key Type [Phantom]
SW732	92LSWICH1401AT	J	AC	Switch,Key Type [Normal]
SW733	92LSWICH1401AT	J	AC	Switch,Key Type [Bypass]
⚠ SW801	QSOCE0008AWZZ	J	AH	Switch,Slide Type [Voltage Selector]
SWM3(260-9)	92LMSW1676A	J		Switch,Leaf Type [Fool Proof]
SWM4(260-10)	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
SWM5(260-11)	92LMSW1658A	J		Switch,Leaf Type [CAM]
VR702	QSW-Z0007AWZZ	J	AG	Switch,Push Type [Volume Jog]

CD MECHANISM PARTS

301	NGERH0011AWZZ	J	AC	Gear,Middle
302	NGERH0012AWZZ	J	AC	Gear,Drive
303	MLEVP0080AWZZ	J	AC	Rail,Guide
304	NSFTM0002AWFW	J	AE	Shaft,Guide
305	92LMCUSN1524A	J	AD	Cushion
⚠ 306	92LHPC1MASY	J	BG	Pickup Unit Ass'y
306- 1	————		—	Pickup Unit (Not Replacement Item)
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack
701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm
702	XHBSD20P05000	J	AA	Screw,ø2×5mm
703	XBBSD20P03000	J	AA	Screw,ø2×3mm
704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×ø3.8×0.25mm
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]

CABINET PARTS

201	GCAB-1044AWSA	J	AM	CD Player Base
202	92LCAB3157AS1	J		Front Panel Ass'y
202- 1	————		—	Front Panel (Not Replacement Item)
202- 2	JKNBZ0557AWSB	J	AD	Button,Disc No.
202- 3	JKNBZ0558AWSA	J	AE	Button,Open/Close/Disc Skip
202- 4	JKNBZ0628AWSA	J	AE	Button,ON/Stand-by
202- 5	JKNBZ0560AWSA	J	AE	Button,X-BASS/Demo
202- 6	JKNBZ0563AWSB	J	AG	Button,FF/REW/Tuning
202- 7	JKNBZ0565AWSA	J	AD	Button,Timer/Sleep/Clock
202- 8	JKNBZ0570AWSA	J	AD	Button,Dimmer/Equalizer
202- 9	JKNBZ0601AWSA	J	AE	Button,Dolby Pro Logic
202-10	KNOB3157AASY1	J		Function Button Ass'y
202-11	HDECQ0412AWSA	J	AC	Operation Ring A
202-12	HDECQ0413AWSB	J	AB	Operation Ring B
202-13	HDECQ0414AWSA	J	AD	Cap,Operation Center
202-14	HDECQ0415AWSA	J	AD	Cover,LED Top A
202-15	HDECQ0417AWSA	J	AE	Panel,Center Cap
202-16	HDECQ0418AWSB	J	AH	Cap,Decoration Panel
202-17	HDECQ0419AWSA	J	AF	Decoration,Play Button
202-18	HDECQ0420AWSA	J	AE	Decoration,Stop Button
202-19	HDECQ0511AWSA	J		Panel,AMP.
202-20	HDECQ0457AWSA	J	AC	Panel,Play Button Decoration
202-21	HDECQ0458AWSA	J	AC	Panel,Stop Button Decoration
202-22	MLIFP0006AWZZ	J	AE	Damper,Cassette Holder
202-23	PSHEP0031AWZZ	J	AC	Sheet,Reflector
202-24	JKNBZ0614AWSA	J	AE	Button,RDS
202-26	GCOVA1240AWZZ	J	AC	Reflector
203	92LMEC3052CTS1	J	AL	Cassette,Holder Ass'y,Tape 1
203- 1	————		—	Cassette Holder,Tape 1 (Not Replacement Item)
203- 2	GCOVA1221AWSC	J	AH	Cassette Cover,Tape 1
203- 3	HDECQ0408AWSA	J	AD	Panel,Cassette Cover,Tape 1
204	92LMEC3052CTS2	J	AL	Cassette,Holder Ass'y,Tape 1
204- 1	————		—	Cassette Holder,Tape 2 (Not Replacement Item)
204- 2	GCOVA1222AWSC	J	AH	Cassette Cover,Tape 2
204- 3	HDECQ0409AWSA	J	AD	Panel,Cassette Cover,Tape 2
205	KNOB3051BASY1	J	AG	Volume Button Ass'y
205- 1	————		—	Button,Volume (Not Replacement Item)
205- 2	92LCSPR1431C	J	AA	Spring Ring,Volume Button
205- 3	GCOVA1233AWZZ	J	AD	Refelector B
206	MSPRD0092AWFJ	J	AB	Spring,Cassette Up,Tape 1
207	MSPRD0093AWFJ	J	AB	Spring,Cassette Up,Tape 2
208	92LHOLD3022AS1	J	AB	Stabilizer Ass'y
208- 1	————		—	Stabilizer (Not Replacement Item)
208- 2	PMAGF0001AWZZ	J	AF	Magnet,Stabilizer
208- 3	92LSUPT1749D	J	AA	Support,Stabilizer Magnet
209	MLEVP0067AWZZ	J	AC	Lever,Lock
210	LCHSZ0011AWZZ	J	AG	Chassis,CD Mechanism
211	LHLDZ1141AWZZ	J	AB	Support,Pitch
212	MLEVP0066AWZZ	J	AE	Lever,Shift
213	MLEVP0068AWZZ	J	AB	Lever,Change
214	MSPRC0024AWFW	J	AB	Spring,Solenoid
215	NBLTK0033AWZZ	J	AC	Belt,Drive
216	NGERH0064AWZZ	J	AD	Gear,Cam
217	NGERH0065AWZZ	J	AB	Gear,Turntable
218	NGERK0003AWZZ	J	AC	Gear,Drive
219	NGERK0004AWZZ	J	AB	Gear,Bevel
220	NGERK0005AWZZ	J	AB	Gear,Loading
221	NGERW0006AWZZ	J	AC	Gear,Worm Wheel
222	NPLYD0002AWZZ	J	AC	Pulley
223	LANGF0032AWZZ	J	AC	Support,T/T Lock Lever
224	LCHSZ0010AWZZ	J	AM	Chassis,Loading
225	LHLDZ1140AWZZ	J	AB	Guide
226	MLEVP0070AWZZ	J	AB	Lever,T/T Lock
227	MSPRC0020AWFJ	J	AB	Spring,T/T Lock Lever
228	MSPRD0044AWFJ	J	AB	Spring,Lock Lever
229	NROLP0009AWZZ	J	AB	Roller
230	NTNT-0018AWSA	J	AK	Turntable
231	PCOVZ1013AWZZ	J	AB	Cover,Wire
232	PCUSG0022AWZZ	J	AB	Cushion,Loading Chassis
233	92LCOV3159AS1	J		CD Tray Cover Ass'y
233- 1	————		—	Cover,CD Tray (Not Replacement Item)
233- 2	92LBADGE1671A	J	AC	Badge,SHARP
233- 3	GCOVA1224AWSA	J	AE	Cover,CD Tray Panel,Left
233- 4	GCOVA1225AWSA	J	AE	Cover,CD Tray Panel,Right
234	GCAB-1052AWSA	J	AP	Top Cabinet
235	GCOVA1232AWZZ	J	AC	Cover,Volume Refector A
236	92LN-BAND1318A	J	AA	Nylon Band,80mm
237	JKNBK0069AWSA	J	AE	Knob,Sub Woofer
238	LANGK0168AWFW	J	AD	Bracket,Main PWB Support
239	PCUSG0022AWZZ	J	AB	Cushion,Leg
240	92LCAB3051BS1	J	AL	Side Panel Ass'y,Left
240- 1	————		—	Side Panel,Left (Not Replacement Item)
240- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
241	92LCAB3051CS1	J	AL	Side Panel Ass'y,Right
241- 1	————		—	Side Panel,Right (Not Replacement Item)
241- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
242	LANGK0180AWFW	J		Bracket,Fan Motor Support
243	LBSHC0002AWZZ	J	AD	Bushing,AC Power Supply Cord
245	LCHSM0085AWFW	J	AR	Main Chassis
246	NFANP0001AWZZ	J	AD	Rotary Fan
247	GITAR0511AWSA	J		Rear Panel
⚠ 248	QFSHD0001AWZZ	J	AB	Holder,Fuse
⚠ 249	QACCA0001AW00	J	AM	AC Power Supply Cord [For Saudi Arabia]
⚠ 249	QACCB0006AW00	J	AU	AC Power Supply Cord [For Hong Kong]
⚠ 249	QACCE0008AW00	J	AG	AC Power Supply Cord [Asia/ Middle and Near East/Africa]
⚠ 249	QACCJ0003AW00	J	AK	AC Power Supply Cord [For Taiwan]
⚠ 249	QACCL0005AW00	J	AN	AC Power Supply Cord [For Australia/New Zealand]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
250	PRDAR0145AWFW	J		Heat Sink,Main
⚠251	92LLUG1746A	J	AA	Lug Terminal
252	PRDAR0136AWFW	J	AR	Heat Sink,Sub
253	92LCSPR1431C	J	AA	Ring Spring,Rotary Fan
254	LHLDZ1225AWZZ	J	AC	Holder,Dolby
255	LHLDZ1227AWZZ	J	AC	Holder,Volume
256	LHLDZ1228AWZZ	J	AC	Holder,Play/Stop LED
257	LHLDZ1226AWZZ	J	AC	Holder,Function
258	LHLDZ1213AWZZ	J	AE	Holder,FL Display
259	LHLDZ1204AWSA	J	AD	Bracket,Stabilizer
260	92LMECHA3051A	J	BL	Tape Mechanism Ass'y
260- 1	NBLTK0011AWZZ	J	AC	Belt,Main
260- 2	NBLTK0012AWZZ	J	AB	Belt,Main
260- 3	NBLTK0030AWZZ	J	AC	Belt,Sub
260- 4	NROLY0002AWZZ	J	AF	Pinch Roller Ass'y
260- 5	RHEDA0001AWZZ	J	AG	Head,Erase
260- 6	RHEDH0003AWZZ	J	AT	Head,Record/Playback
260- 7(MM1)	RMOTV0006AWM1	J	AR	Motor with Pulley [Tape]
260- 8(SOLM1)	RPLU-0002AWZZ	J	AH	Solenoid Ass'y
260- 9(SWM3)	92LMSW1676A	J		Switch,Leaf Type [Fool Proof]
260-10(SWM4)	QSW-F9003AWZZ	J	AG	Switch,Leaf Type [F.A.S.]
260-11(SWM5)	92LMSW1658A	J		Switch,Leaf Type [CAM]
261	LX-LZ0006AWZZ	J	AC	Snap,Main Chassis/Power PWB
262	LANGK0185AWFW	J		Bracket,Headphone Jack Support
263	QCNWN1481AWZZ	J	AD	Lug Wire
264	LHLDZ1229AWZZ	J	AC	Holder,Multi Indicator
266	LANGT0047AWFW	J	AE	Bracket,Tuner PWB/Main PWB
267	LANGT0048AWFW	J	AD	Bracket,Tuner PWB/Rear Panel
268	LHLDZ1235AWZZ	J		Holder,Disc Number.Knob
269	TSPC-0612AWZZ	J		Label,Specifications [For Taiwan]
269	TSPC-0613AWZZ	J		Label,Specifications [For Thailand]
270	92LCAUT1706A1	J	AC	Label,Class 3A Laser
271	92LCAUT1706B	J	AA	Label,Laser
273	LANGK0114AWFW	J	AF	Bracket,Fan Motor Support
274	PSPAI0015AWZZ	J		Spacer
275	TLABZ0641AWZZ	J		Spacer
276	PCUSG0049AWZZ	J		Cushion
⚠277	QLUGP0001AWZZ	J	AC	Lug
601	XEBSF30P12000	J	AA	Screw,ø3×12mm
602	XJBSF30P08000	J	AA	Screw,ø3×8mm
603	XJBSD30P08000	J	AA	Screw,ø3×8mm
604	XJBSD30P10000	J	AA	Screw,ø3×10mm
605	LX-HZ0082AFZZ	J	AA	Screw,ø4×8mm
606	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
607	XBBSD20P04000	J	AA	Screw,ø2×4mm
608	XJBSF30P10000	J	AA	Screw,ø3×10mm
610	XESSD30P10000	J	AA	Screw,ø3×10mm
611	XJSSF30P10000	J	AA	Screw,ø3×10mm
612	XWHJZ62-09510	J	AB	Washer,ø6.2×ø10×0.9mm
613	XEBSD30P10000	J	AA	Screw,ø3×10mm
614	LX-JZ0002AWFD	J	AA	Screw,ø3×10mm
615	LX-EZ0005AWFD	J	AA	Screw,Special
616	XEBSD30P12000	J	AA	Screw,ø3×12mm
617	XBPSD26P05JSO	J	AB	Screw,ø2.6×5mm
618	LX-TZ0019AFZZ	J	AB	Screw,Special
619	XEBSD26P12000	J	AA	Screw,ø2.6×12mm
620	XJBSD30P12000	J	AA	Screw,ø3×12mm
621	XJSSD30P10000	J	AA	Screw,ø3×10mm
622	XJBSD30P14000	J	AA	Screw,ø3×14mm
623	XHBSD30P06000	J	AA	Screw,ø3×6mm
625	XEBSD26P08000	J	AA	Screw,ø2.6×8mm

ACCESSORIES/PACKING PARTS

	QANTL0009AWZZ	J	AH	AM Loop Antenna
	QCNWG0022AWZZ	J	AM	Video Cable
⚠	QPLGA0003AWZZ	J		Adaptor,AC Plug [Saudi Arabia]
⚠	QPLGA0004AWZZ	J		Adaptor,AC Plug [Central & South America]
	SPAKA0210AWZZ	J	AM	Packing Add.,Left/Right,Unit
	SPAKC0856AWZZ	J		Packing Case
	SPAKP0013AWZZ	J	AC	Polyethylene Bag,Unit
	SPAKZ0507AWZZ	J	AB	Mira Mat,AMP.Panel
	TCAUA0037AWZZ	J		Caution Tag [Taiwan Only]
	TCAUZ0035AWZZ	J	AB	Sheet,Caution
	TGANE0011AW23	J		Warranty Card [For Philippines]
	TGANZ0028AW31	J		Warranty Card [For Taiwan]
	TINST0061AWZZ	J		Operation Manual [For Thailand]
	TINSZ0477AWZZ	J		Operation Manual [Except for Thailand]

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
	TLABB0001AWZZ	J	AB	Label,Japan [Union of Arab Emirates/Syria]
	TLABE0330AWZZ	J		Label,Bar Code [For Thailand/ Taiwan/Union of Arab Emirates]
	TLABE0331AWZZ	J		Label,Bar Code [For Asia/Middle and Near East/ Africa/Singapore]
	TLABG0002AWZZ	J	AB	Label,Hong Kong [For Hong Kong Only]
	TLABH0056AWSA	J		E/C Comparision Sheet [Taiwan Only]
	TLABH0057AWSA	J		E/C Comparision Sheet [Taiwan Only]
	TLABH0058AWSA	J		E/C Comparision Sheet [Taiwan Only]
	TLABJ0003AWZZ	J	AB	Label,SHARP Corporation JAPAN
	TLABS0238AWZZ	J		Label,Safety [For Hong Kong Only]
	TLABZ0610AWZZ	J		Label,Feature Tape 1
	TLABZ0613AWZZ	J		Label,Feature Tape 2
	TLABZ0620AWZZ	J	AB	Label,Saving Energy
	TLABZ0631AWZZ	J		Label,Packing Case [For Taiwan]
	TLABZ0668AWZZ	J		Label,Sirm [Singapore]
	TLSTS0014AWZZ	J		SS List [Taiwan Only]
	TMAPC0162AWZZ	J		Map A [Egypt Only]
	92LBAG1460C1	J	AB	Polyethylene Bag,Accessories
	92LBAG1770A	J	AB	Polyethylene Bag,AC Power Suppy Cord [Hong Kong Only]
	92LBAG760C	J	AA	Polyethylene Bag, AC Plug Adaptor [Saudi Arabia]
	92LFANT1746A	J	AD	FM Antenna
	92LLABEL372C	J		Label,Serial No. [Taiwan/Thailand]
	92LPANEL713A	J	AB	Panel,Made in Malaysia [Jordan Reunion/Kuwait Bahrain Cyprus/Egypt/Saudi Arabia]
	RRMCG0197AWSA	J		Remote Control
	GFTAB1022AWSA	J	AK	Battery Lid,Remote Control

P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A1~4	92LPWB3157MANS	J	—	Main/Display/Switch/ Headphones (Combined Ass'y)
PWB-B	92LPWB3159VCDS	J	—	CD Video
PWB-C	92LPWB3157PWRS	J	—	Power
PWB-D	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)
PWB-E	QPWBF0341AWZZ	J	AB	Tray Motor (PWB Only)
PWB-F	QPWBF0106AWZZ	J	AF	Tape Mechanism (PWB Only)
PWB-G	92LPWB3073TUNS	J	—	Tuner
PWB-H	QPWBF0568AWZZ	J		Jack (PWB Only)

OTHER SERVICE PART

	UDSKA0004AFZZ	J	AZ	CD Pickup Lens Cleaner

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION

CP-C881

SPEAKER BOX PARTS (Front Speaker)

901	92L10002671H10	J	BB	Cabinet Ass'y
902	92L200L0290010	J	AU	Front Panel,Left
903	92L200R0290010	J	AU	Front Panel,Right
904	92L201L0290010	J	AR	Net Frame Ass'y,Left
905	92L201R0290010	J	AR	Net Frame Ass'y,Right
906	92L3141PC46210	J	AL	Speaker Cord Ass'y (With Capacitor C1,2)
907	92L44210310100	J	AD	Cushion,Wire
908	92L23056121010	J		Catching Holder
909	92L44010213300	J	AH	Port Cushion
910	411-B930100P1	J	AC	Screw,ø3×10mm
911	411-B840140B1	J	AC	Screw,ø4×14mm
912	92L6000C881W00	J		Label,Specifications
SP1,2	VSP0013WBK96F	J	BG	Woofer
SP3,4	VSP0050TBM76F	J	AC	Tweeter
SP5,6	92L303R0300710	J	AM	Super Tweeter

GBOXS0026AWM1

SPEAKER BOX PARTS (Center Speaker)

901	92L60-00-0760	J	AR	Net Frame Ass'y
902	92L32-01-0390	J	AW	Rear Cabinet
903	92L37-03-0120	J	AG	Speaker Cord
904	92L35-02-0320	J	AB	Screw,ø3×14mm
905	92L33-01-0970	J		Label,Parts Code
906	92L39-01-0020	J		Cushion,Leg
SP1	VSP0010PBY04A	J	AW	Speaker

GBOXS0027AWM1

SPEAKER BOX PARTS (Surround Speaker)

901	92L60-00-0770	J	AT	Net Frame Ass'y
902	92L32-01-0400	J	AQ	Bottom Cabinet
903	92L37-03-0110	J	AK	Speaker Cord
904	92L35-02-0320	J	AB	Screw,ø3×14mm
905	92L33-01-0940	J	AC	Label,Parts Code
SP1,2	VSP0010PBY78A	J	AR	Speaker

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SPEAKER BOX PARTS (Sub Woofer)

901	92L121-0171	J	AV	Net Frame Ass'y
902	92L132-0001	J	AN	Duct Panel Ass'y
903	92L316-0075	J		Paper Pipe
904	92L394-0050	J	AC	Port Cushion
905	92L051-0078	J	AY	Cabinet Ass'y
906	92L372-0107	J	AB	Screw,ø4×14mm
907	92L372-0026	J	AB	Screw,ø3×10mm
908	92L351-0338	J		Label,Specifications
909	92L291-0081	J	AH	Speaker Cord Ass'y
SP1	VSP0013WB416A	J	BA	Speaker

PACKING PARTS

92L41-05-0300	J		Packing Add.,Top/Bottom,Center Speaker/Surround Speaker
92L41-08-0350	J		Polyethylene Bag, Center Speaker
92L41-08-0350	J		Polyethylene Bag, Surround Speaker
92L411-0101	J	AD	Polyethylene Bag,Sub Woofer
92L412-0129	J		Packing Add.,Left/Right, Sub Woofer
92L414-0023	J	AC	Miramat Sheet,Sub Woofer
92L416-0060	J		Center Pad,Front Speaker
92L70032001600	J	AC	Polyethylene Bag,Front Speaker
92L71525003200	J	AC	Miramat Sheet,Front Speaker
92L720CPC46200	J	AL	Packing Add.,Top/Bottom, Front Speaker

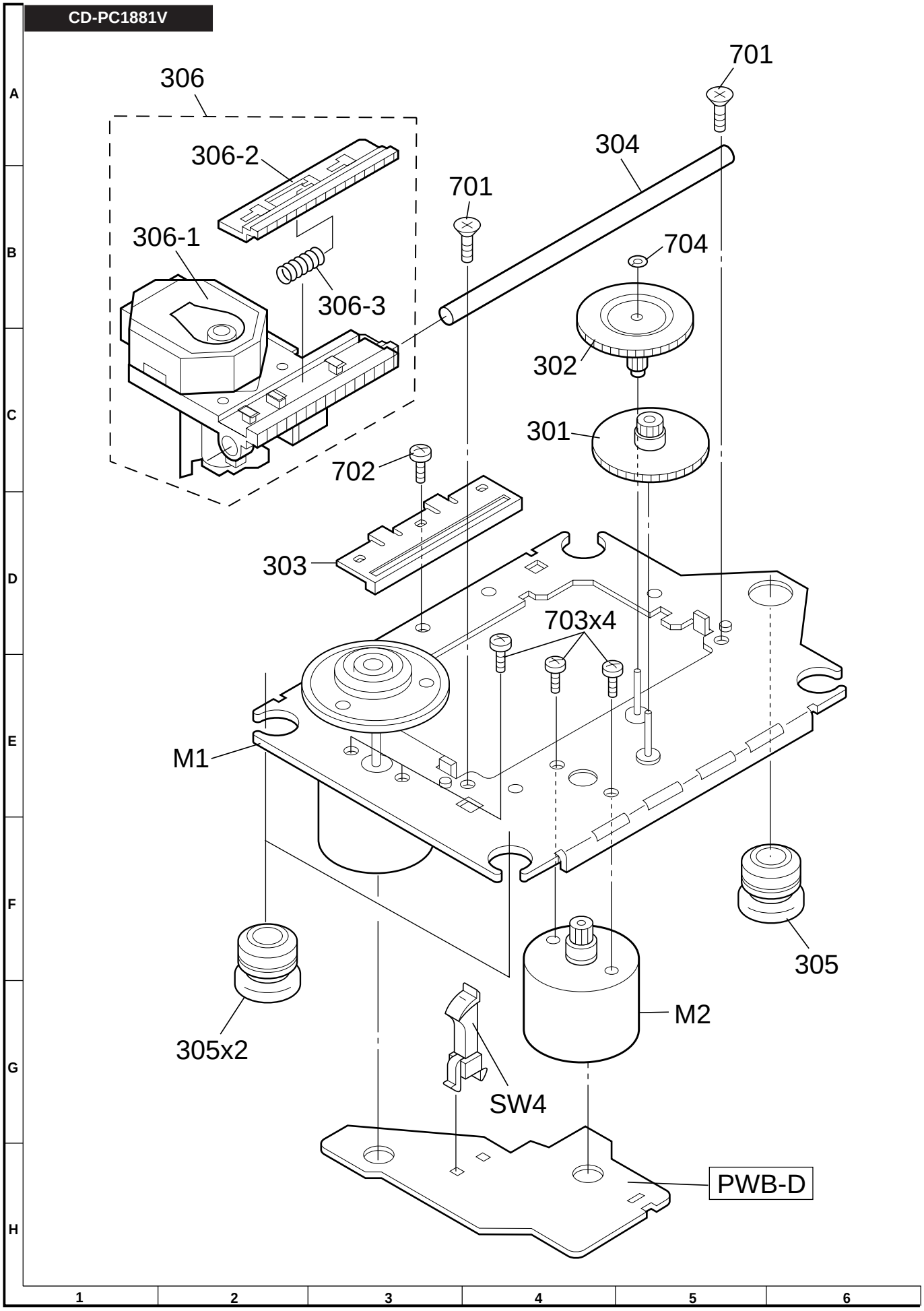
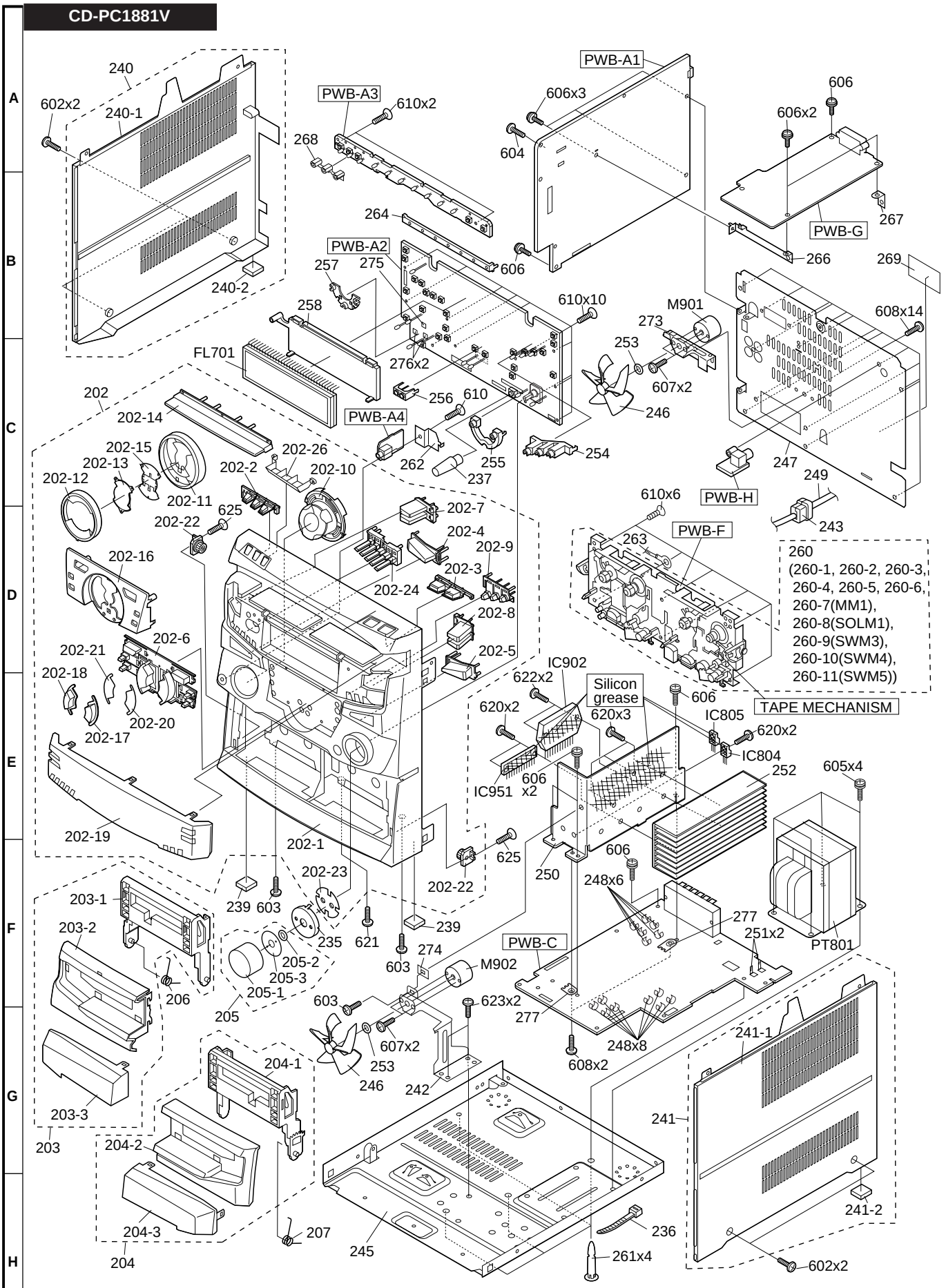


Figure 10 CD MECHANISM EXPLODED VIEW

CD-PC1881V



Note: Only the unit and consumale parts are supplied as parts supply for the Tape mechanism.

Figure 11 CABINET EXPLODED VIEW (1/2)

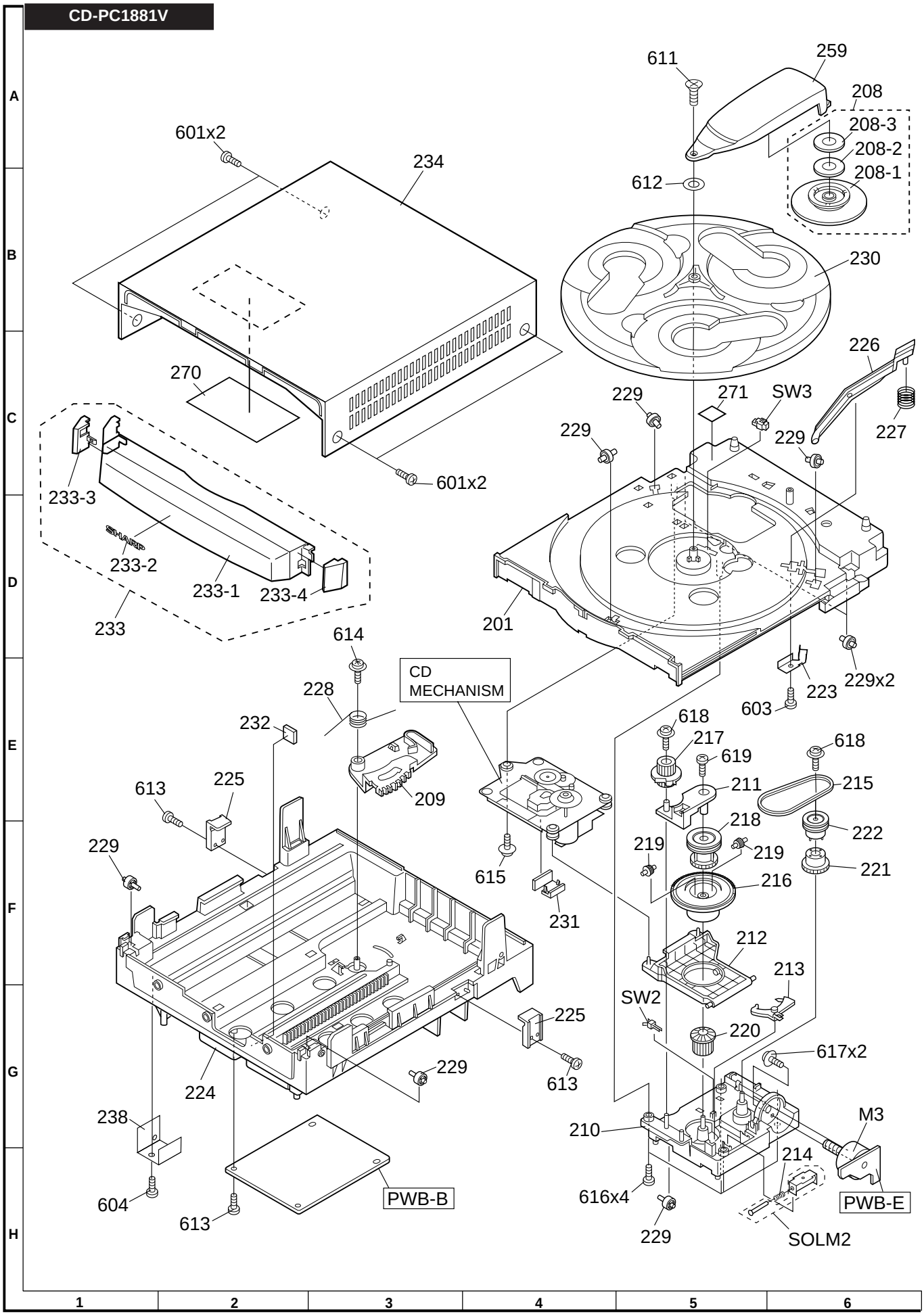


Figure 12 CABINET EXPLODED VIEW (2/2)

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Front Speaker Section

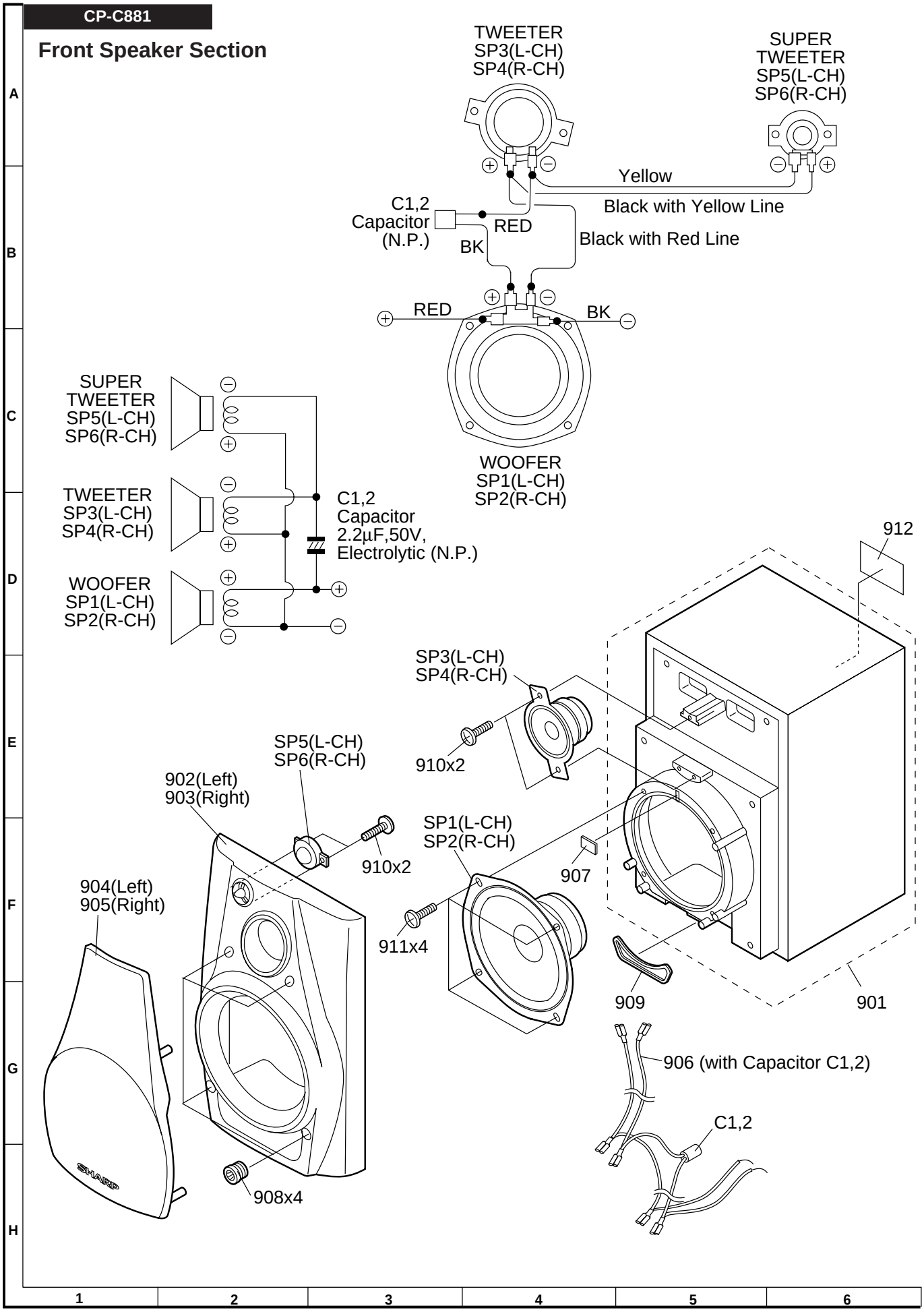
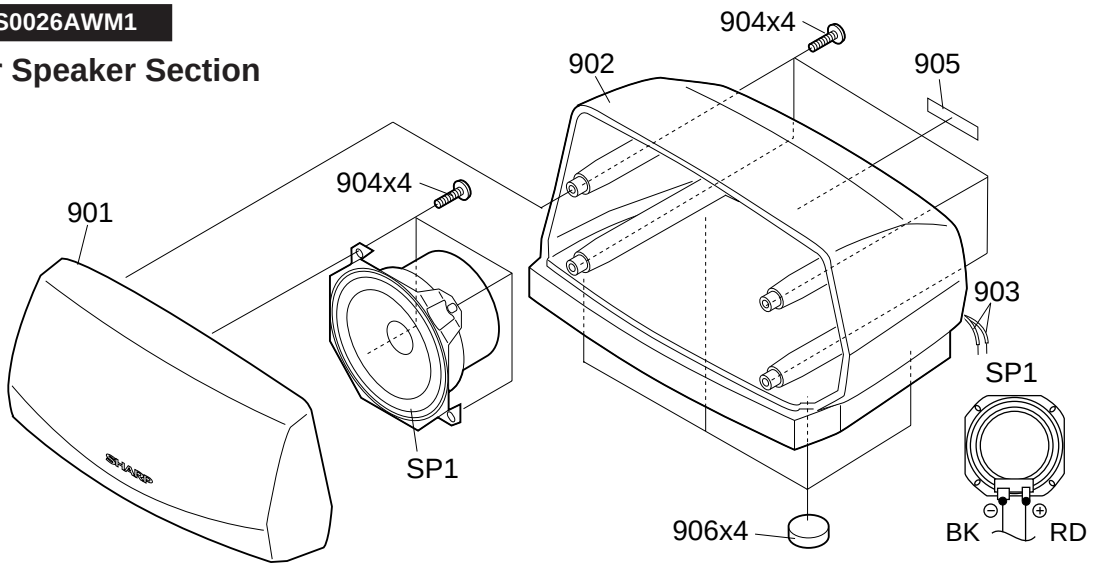


Figure 13 SPEAKER EXPLODED VIEW (1/2)

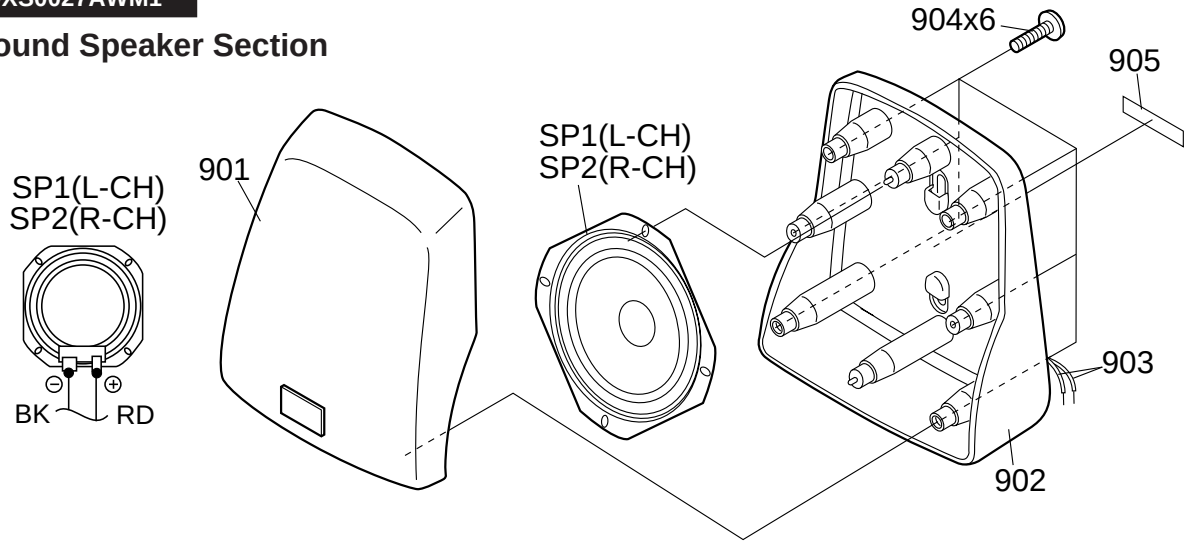
GBOXS0026AWM1

Center Speaker Section



GBOXS0027AWM1

Surround Speaker Section



CP-SW881

Sub Woofer Section

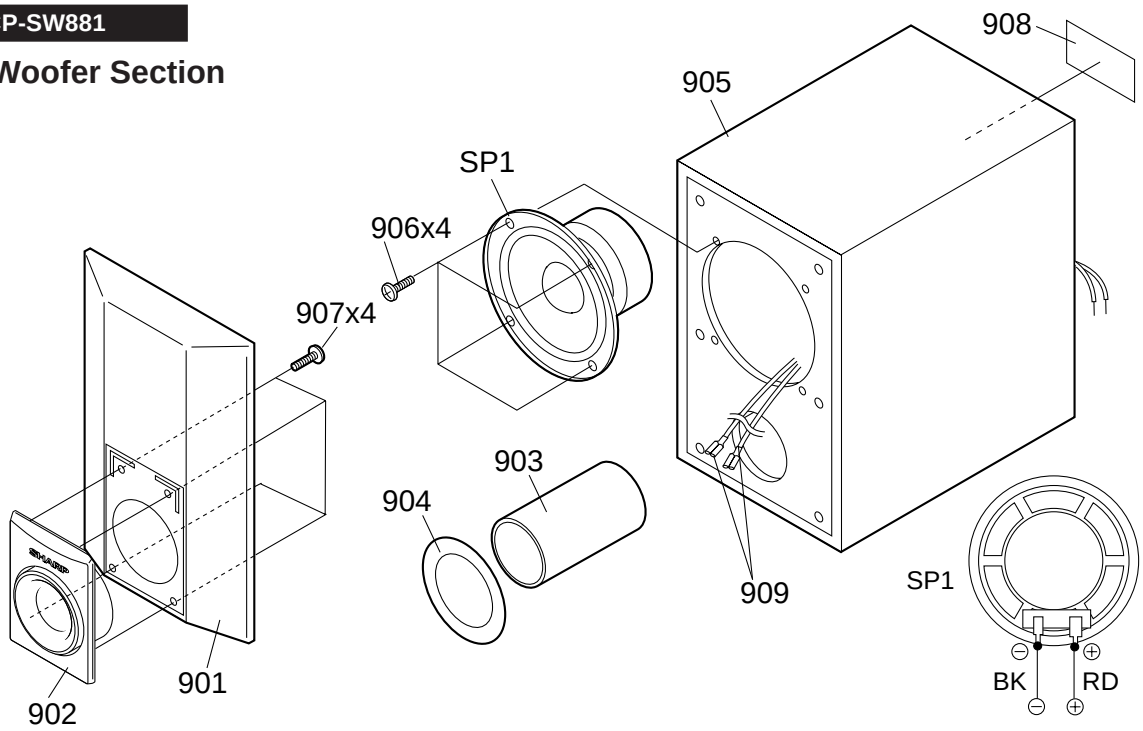


Figure 14 SPEAKER EXPLODED VIEW (2/2)

CD-PC1881V

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